VOL. V. DECEMBER, 1910 No. 3

COLLEGE LIBRARY

Middlebury College

Bulletin

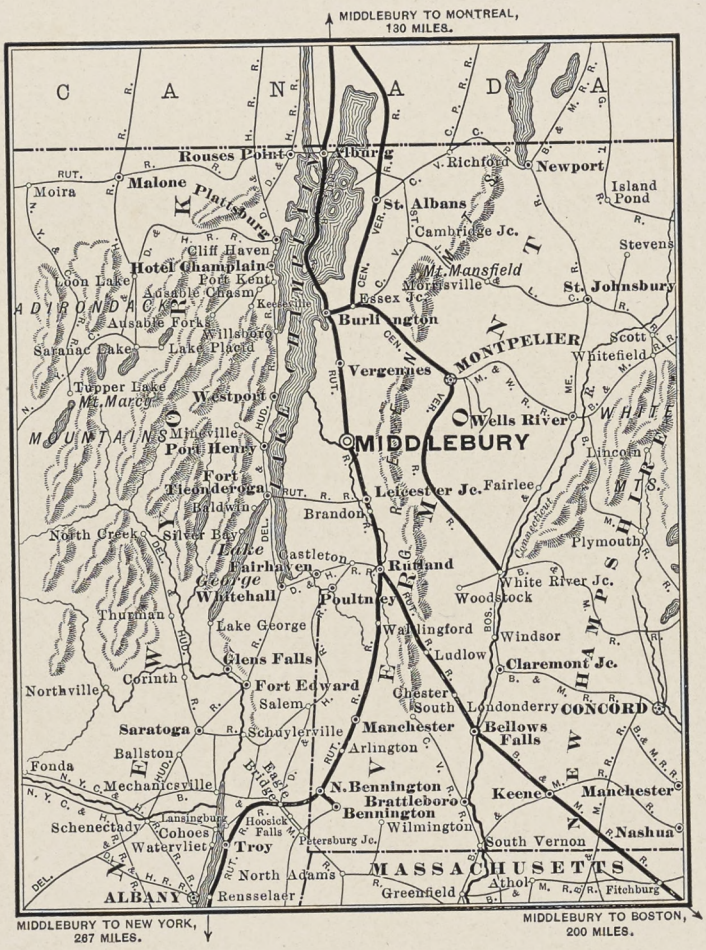
The Catalogue

1910 1911

MIDDLEBURY, VERMONT

PUBLISHED BY THE COLLEGE
(September, October, December, February, May, and July)

Entered as second class matter at the Post Office, Middlebury, Vermont, under act of Congress of July 16, 1894



THE CENTRAL COLLEGE OF VERMONT

Equidistant from the Northern and Southern Boundaries.
Half way between Vermont's largest cities.
On New York Central Lines (Rutland Railroad).
Four through trains daily each way between New York and Boston and Montreal.
Fare (mileage) from New York, $5.34; from Boston, $4.00.

Catalogue of

Middlebury College

MIDDLEBURY, VERMONT

One Hundred and Eleventh Year

1910-1911

PUBLISHED FOR THE COLLEGE

1910

THE CHARTER OF MIDDLEBURY COLLEGE

Section 1 *It is hereby enacted* by the General Assembly of the State of Vermont, That there be, and hereby is granted, instituted and established a College in the Town of Middlebury, in the County of Addison; and that Messrs. Jeremiah Atwater, Nathaniel Chipman, Heman Ball, Elijah Payne, Gamaliel Painter, Israel Smith, Stephen R. Bradley, Seth Storrs, Stephen Jacob, Daniel Chipman, Lot Hall, Aaron Leeland, Gershom C. Lyman, Samuel Miller, Jedediah P. Buckingham and Darius Matthews shall be an incorporate society, or body corporate and politic, and shall hereafter be called and known by the name of

The President and Fellows of Middlebury College:

and that by the same name, they, and their successors, shall and may have perpetual succession; and shall and may be persons capable in law, to be impleaded, defend and be defended, answer and be answered unto; and also to have, take, possess, acquire, purchase or otherwise receive lands, tenaments, hereditaments, goods, chattels, or estate; to grant, demise, lease, use, manage, or improve for the good and benefit of the said College according to the tenor of the donations, and their discretion.

Section 2 *And it is hereby further enacted*, That the said President and Fellows, and their successors, shall and may hereafter have a common seal, to serve and use for all causes,

matters and affairs of theirs, and their successors, and the same seal to alter, break and make anew, as they shall think fit.

Section 3 ***And it is hereby further enacted,*** That the said Jeremiah Atwater shall be, and he is hereby established the present President; and the said Nathaniel Chipman, Heman Ball, Elijah Payne, Gamaliel Painter, Israel Smith, Stephen R. Bradley, Seth Storrs, Stephen Jacob, Daniel Chipman, Lot Hall, Aaron Leeland, Gershom C. Lyman, Samuel Miller, Jedediah P. Buckingham and Darius Matthews shall be, and they are hereby established the present Fellows of the said College; and that they and their successors shall continue in their respective places, during life, or until they, or either of them, shall resign, be removed, or displaced, as in this act is hereafter expressed.

Section 4 ***And it is hereby further enacted,*** That there shall be a general meeting of the President and the Fellows of the said College, in the said College-House, on the first Tuesday of November, annually, or, at any other time and place, which they shall see cause to appoint, to consult, advise and act, in and about the affairs and business of the said College; and that on any special emergency, the President and two of the Fellows, or any four of the Fellows, may appoint a meeting at the said College. Provided they give notice thereof to the rest, by letters sent and left with them, or at the places of their respective abodes, ten days before such meeting, and that the President and six Fellows, or, in the case of death, absence, or incapacity of the President, seven Fellows, convened as aforesaid,

(in which case the oldest Fellow shall preside) shall be deemed a meeting of the President and Fellows of said College; and in all the said meetings a major vote of the members present shall be deemed the act of the whole, and when an equivote happens, the President shall have a casting vote. That the President and Fellows of the said College and their successors, in any of their meetings assembled as aforesaid, may, from time to time as occasion shall require, elect and appoint a President or Fellows, and also the same remove, from time to time, for any misdemeanor, unfaithfulness, default or incapacity, six of the said corporation, at least, concurring therein; and shall have power to appoint a scribe, or register, a treasurer, tutors, professors, steward and butler, and all such other officers and servants as are usually appointed in colleges and universities, as they shall find necessary and think fit to appoint; for promoting good literature, and well ordering and managing the affairs of said College; and them, or any of them, at their discretion, to remove. And to prescribe and administer such forms of oaths, not being contrary to the constitution and laws of this State, or of the United States, as they shall think proper to be administered, to all those officers and instructors of the said College, or to such and so many of them as they shall think proper, for the faithful execution of their respective places, offices, and trusts.

Section 5

And it is hereby further enacted, That the President and Fellows shall have the government, care and management, of the said College, and all the matters and affairs thereto belonging; and shall have power from time to time,

as occasion shall require, to make, ordain, and establish all such wholesome and reasonable laws, rules and ordinances, not repugnant to the constitution and laws of this State, or the United States, as they shall think fit and proper, for the instruction and education of the students, and ordering, governing, ruling and managing the said College, and all matters, affairs, and things thereto belonging; and the same to repeal and alter, as they shall think fit, which shall be laid before the Legislature of this State, as often as required, and may also be repealed or disallowed by the said Legislature when they shall think proper.

Section 6 ***And it is hereby further enacted,*** That the President of the said College, with the consent of the Fellows, shall have power to give and confer all such honors, degrees, or licenses, as are usually given in colleges, or universities, upon such as they think worthy thereof.

Section 7 ***And it is hereby further enacted,*** That all the lands and ratable estate that does or shall belong to the said College, not exceeding the yearly value of two thousand dollars, lying in this State; and the persons, families, and estates of the presidents and professors, lying and being in the town of Middlebury, of the value of one thousand dollars, to each of said officers, and the persons of the tutors, students, and such and so many of the servants of said College, as give their constant attendance on the business of it, shall be freed and exempted from all rates, taxes, military service, working at highways, or other such like duties and services.

And it is hereby further enacted, That the
Section 8 Governor of this State be, and he is hereby empowered and requested to issue to the said President and Fellows, named in this Act, and to their successors, a charter of incorporation, made in due form of law, agreeably to the same.

Provided nevertheless, and it is hereby further
Section 9 enacted, That nothing in this Act, or any part thereof, shall be construed to extend to, or give to said corporation, by virtue thereof, any right to hold, possess or enjoy any property or estate, which has heretofore been granted or intended to have been granted, or given in charge and reserve, for the use of a college, or colleges, in this State; or granted, or intended to have been granted, and apportioned by this State to the University in Vermont.

Passed November 1st, 1800.

A true copy, attest,

ROSWELL HOPKINS, *Secretary.*

BEQUESTS

The Corporate name of Middlebury College is *The President and Fellows of Middlebury College.* Bequests should be made in this name.

THE PRESIDENT AND FELLOWS OF MIDDLEBURY COLLEGE

Rev. JOHN MARTIN THOMAS, D.D., President	*Middlebury*
Hon. JOHN W. STEWART, LL.D.	*Middlebury*
Hon. JOSEPH BATTELL, A.M.	*Middlebury*
BRAINERD KELLOGG, LL.D.	*Morristown, N. J.*
EZRA BRAINERD, D.D., LL.D.	*Middlebury*
Hon. DAVID K. SIMONDS, A.B.	*Manchester*
Rev. WILLIAM S. SMART, D.D.	*Brandon*
ERASTUS H. PHELPS, A.M.	*Fair Haven*
Hon. JOHN A. MEAD, A.M., M.D.	*Rutland*
HENRY H. VAIL, LL.D.	*New York, N. Y.*
GEORGE M. WRIGHT, LL.D.	*New York, N. Y.*
Rev. JAMES L. BARTON, D.D.	*Boston, Mass.*
M. ALLEN STARR, M.D., Ph.D., LL.D.	*New York, N. Y.*
JAMES M. GIFFORD, LL.D.	*New York, N. Y.*
Hon. JOHN G. McCULLOUGH, LL.D.	*Bennington*
JULIAN W. ABERNETHY, Ph.D.	*Brooklyn, N. Y.*
JOHN A. FLETCHER, A.B.	*Middlebury*
Hon. FLETCHER D. PROCTOR, LL.D.	*Proctor*
Rev. RUFUS C. FLAGG, D.D.	*Burlington*
Hon. A. BARTON HEPBURN, LL.D.	*New York, N. Y.*
Hon. JOHN E. WEEKS	*Middlebury*

JOHN A. FLETCHER, *Secretary and Treasurer.*

PRUDENTIAL COMMITTEE

PRESIDENT JOHN M. THOMAS, *ex-officio*

JOHN W. STEWART — JOHN A. FLETCHER

JOHN A. MEAD — FLETCHER D. PROCTOR

EZRA BRAINERD — JOHN E. WEEKS

FINANCE COMMITTEE

GEORGE M. WRIGHT, *Chairman*

JOHN W. STEWART — JAMES M. GIFFORD

JOHN A. MEAD

COMMITTEE ON INSTRUCTION

HENRY H. VAIL, *Chairman*

JULIAN W. ABERNETHY — RUFUS C. FLAGG

BRAINERD KELLOGG — FLETCHER D. PROCTOR

THE FACULTY AND OFFICERS

JOHN MARTIN THOMAS, D.D.,
President

EZRA BRAINERD, D.D., LL.D.,
President-emeritus

HENRY MARTYN SEELY, A.M., M.D.,
Professor-emeritus of Natural History

CHARLES BAKER WRIGHT, A.M., L.H.D.,
Professor of Rhetoric and English Literature

WALTER EUGENE HOWARD, LL.D.,
Dean, and Jermain Professor of Political Science and Professor of History

WILLIAM WESLEY McGILTON, A.M.,
Professor of Chemistry

MYRON REED SANFORD, A.M., L.H.D.,
Professor of the Latin Language and Literature

ERNEST CALVIN BRYANT, S.B.,
Baldwin Professor of Physics and Mathematics

EDWARD ANGUS BURT, PH.D.,
Burr Professor of Natural History

WILLIAM SARGENT BURRAGE, PH.D.,
Professor of the Greek Language and Literature

EDWARD DAY COLLINS, PH.D.,
Professor of Pedagogy

ARCHIBALD DARIUS WETHERELL, A.M.,*
Assistant Professor of History

* On leave of absence for the year.

DUANE LEROY ROBINSON, A.M.,
Assistant Professor of French, Morton Foundation

G. WATTS CUNNINGHAM, PH.D.,
Assistant Professor of Philosophy

RAYMOND McFARLAND, A.M.,
Assistant Professor of Secondary Education

FRANK WILLIAM CADY, B. LITT. (OXON.), A.M.,
Assistant Professor of English

THOMAS CLACHAR BROWN, PH.D.,
Assistant Professor of Geology

EVERETT SKILLINGS, A.M.,
Assistant Professor of German

PHELPS NASH SWETT, S.B.,
Assistant Professor of Mathematics

THOMAS WOODSIDE BENTLEY CRAFER, LL.B., PH.D.
Assistant Professor of Political Economy

RAYMOND HENRY WHITE, A.M.,
Instructor in Latin

HAROLD LEE KING, A.M.,
Instructor in History

RHODA MABEL WHITE, A.M.,
Dean of Women, A. Barton Hepburn Foundation
Assistant Professor of Sociology

ETTA MAY CLARK,
Librarian

MIRIAM ELIZABETH WILLIAMS,
Assistant Librarian

FRANK W. CADY,
Registrar

FLORENCE B. MANCHESTER,
Assistant Registrar

JOHN A. FLETCHER,
Inspector of Buildings

ETHEL F. BARTLETT,
Secretary to the President

WILLIAM H. FARRELL,

HENRY HOPKINS,
Janitors

FACULTY COMMITTEES

Administration:
WRIGHT, HOWARD, McGILTON, ROBINSON, Miss WHITE

Athletics:
McGILTON, BRYANT, SWETT

Curriculum:
COLLINS, WRIGHT, BROWN

Student Affairs:
BURRAGE, Miss WHITE, SKILLINGS

Graduate Work:
SANFORD, BURT, COLLINS

Musical Organizations:
WHITE, CUNNINGHAM, COLLINS

Admission:
CADY, HOWARD, ROBINSON

Library:
McFARLAND, BURRAGE, CRAFER

Reading Rooms:
SWETT, Miss WHITE, KING

ADMISSION

PREPARATION FOR COLLEGE

Students, teachers, and parents are advised to study the requirements for admission to College early in the preparatory course. Much time may be saved, and the course in College be made much more satisfactory, if pupils will prepare themselves thoroughly in the subjects which are the groundwork of a College education, and not scatter their energy over subjects which are of no particular value as preparation for College work. There can be no substitutes for thorough training in English, and in Algebra and Geometry. It is believed that for the ordinary student no study is more valuable than the Latin language, and as a foundation for general culture, as well as for advanced work in literature and science, four years of preparatory Latin, followed by a year or more in College, are earnestly recommended. Although Greek may be begun in College, the loss to the student who does not offer it for admission is greater than is often imagined, and the student who would devote special attention to literature, history, or philosophy is advised to fit himself in the language which is at the root of all modern culture.

METHODS OF ADMISSION

Admission to College may be gained by either of three methods:

1. By examination. Examination in all subjects for admission will be held at Middlebury, Thursday and Friday of Commencement week, and during the opening week of the first semester. A schedule may be obtained from the Secretary of the Faculty.

2. By certificate of the College Entrance Examination Board or the Regents of the State of New York. All applications for the Board examinations, which will be held June 19-24, 1911, must be addressed to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, and must be made upon a blank form to be obtained from the Secretary of the Board upon application. The examination fee is $5.00 for all candidates examined at points in the United States and Canada.

3. By certificate from the Principal of the High School or Academy at which the student has prepared. Blank certificates, prepared by the College, will be mailed upon application.

A student admitted upon certificate is regarded as on probation the first year, and will be dropped at any time if he is manifestly incompetent to do the required work.

REQUIREMENTS FOR ADMISSION

For admission to any course, fourteen points, or admission credits, are required. A point is a preparatory subject pursued one year with five recitation periods a week. Certain points in each course are required; the remainder of the fourteen may be made up from the list of options. The Classical and Pedagogical Courses only are open to women.

The required and optional subjects are indicated below.

For the Classical and Pedagogical Courses

REQUIRED POINTS	
Latin	4
English	3
Algebra	1½
Geometry	1
Total required points	9½

OPTIONAL POINTS[1] (Any four and one-half)	
Greek	3
German	3
French	3
Greek History	½
Roman History	½
Mediaeval European History	½
Modern European History	½
English History	½
American History	½
Civics	½
Solid Geometry[2]	½
Physics	½ or 1
Chemistry	½ or 1
Botany	½ or 1
Physiology	½
Zoölogy	½
Physical Geography	½
Astronomy	½

[1] For the Classical and Pedagogical Courses, Greek, German, or French must be presented, in addition to Latin.

[2] Students securing an admission credit in Solid Geometry will ordinarily be required to elect another study in its place, either in the Department of Mathematics or in some other Department of Instruction. In such cases Freshmen are allowed to take Sophomore Mathematics.

For the Scientific Course

REQUIRED POINTS	
English	3
Latin, German, or French	2
Algebra	1½
Geometry	1
Total required points	7½

OPTIONAL POINTS (Any six and one-half)	
Latin	2, 3, or 4
German or French	3
Greek History	½
Roman History	½
Mediaeval European History	½
Modern European History	½
English History	½
American History	½
Civics	½
Solid Geometry[1]	½
Physics	½ or 1
Chemistry	½ or 1
Botany	½ or 1
Physiology	½
Zoölogy	½
Physical Geography	½
Astronomy	½

[1] See Note 2, above.

Equivalents for some of the above subjects, in either course, may be allowed in particular cases. Students slightly deficient in the total number of points required may be admitted on condition. Such conditions may be made up either by special examination before the beginning of the Sophomore year or by successful completion of additional courses in the first two years of College. The specific requirements in the several subjects named above are outlined in the following paragraphs.

DEFINITION OF ADMISSION POINTS

Latin:—four points required for admission to the Classical and Pedagogical Courses; two, three, or four optional for admission to the Scientific Course.

In general, that proficiency in the subject is required which results from a study of Latin in a systematic course of five lessons a week for four school years.

Grammar and Composition. The requirement is that there shall be in memory a vocabulary of the prose authors which have been read in the school, a masterful knowledge of the inflections, including the common irregular forms, and such familiarity with the rules of syntax as shall enable the candidate to write simple Latin prose. The proficiency expected is such as is gained by continual exercises in prose composition during all the years of preparation.

The authors necessary are as follows: Caesar, *Gallic War*, Books I-IV; or connected readings from Caesar, *Gallic War*, *Civil War*; and Nepos and *Lives*, not less in amount than Caesar, *Gallic War*, Books I-IV.

Cicero, *Orations against Catiline*, *Poet Archias*, and the *Manilian Law*; or connected readings from Cicero, *Orations*, *Letters*, *De Senectute*, and Sallust, *Catiline*, *Jugurthine War*, not less in amount than the four *Orations against Catiline*, *Poet Archias*, and the *Manilian Law*.

Vergil, *Aeneid*, Books I-VI; or Vergil, *Aeneid*, Books I, II, IV or VI, and 2500 additional verses of any work of either Vergil or Ovid.

The examination will contain (1) passages for translation from the authors suggested above; (2) sight passages suited to the proficiency resultant from the reading of authors indicated above; (3) questions on forms, syntax, literature, history, and prosody of the passages. Special importance will attach to the candidate's ability to deal intelligently with forms and syntax.

In the preparatory work, too much emphasis cannot be placed on accurate and continued reading of the Latin, on the thorough memorizing of a few attractive passages of text, and on constant drill at the board in composition and syntax, especially such as finds illustration in the passages memorized.

For the convenience of candidates, the examination may be divided into Preliminary and Final, to be taken in successive years.

Greek:—three points, optional.

The examination in Greek presupposes a three years' course of five exercises a week. It may be divided between two successive years. The authors set for examination are: Xenophon, *Anabasis*, Books I-III, and 50 additional pages of Attic prose, taken from the *Cyropaedea*, or *Memorabilia*, or both. For these 50 pages, Book IV of the *Anabasis* may be substituted.

Homer, *Iliad*, Books I-III, omitting the Catalogue; or Book I of the *Iliad* and 1000 additional lines of Homer.

The examinations in Homer and Xenophon will contain also sight passages from both these authors, and questions on prosody, literature, history, and antiquities. There will also be an examination in Grammar and Composition, testing the candidate's knowledge of meanings, forms, and syntax and his ability to write detached sentences. This examination will be based on a passage taken from somewhere in the second book of the *Anabasis*, and presupposes daily drill continued through two years.

German:—three points, optional.

Beginning with 1912–13, all entrance examinations will include a practical test on oral and aural training; schools certifying candidates for admission will be required to state in the certificate

whether the candidate has had proper training of this kind. By oral and aural training is meant that the candidate has been constantly trained in pronunciation, dictation, and free reproduction (at first in English and later in German) of German anecdotes read aloud by the teacher. Beginning with 1912–13, no credit will be given for certificates of admission covering a shorter course than that prescribed in the Elementary requirement as stated below, except to candidates offering four years of Latin and three of Greek.

I. ELEMENTARY—*two points*

The Elementary requirement embraces a systematic course of four or five periods a week, extending over two school years.

During the first year the work should comprise: (1) careful and continuous training in oral and aural elements, including drill in pronunciation, writing German from dictation, reproducing in English German anecdotes read aloud by the teacher, simple questions and answers on the reading matter; (2) memorizing and frequent repetition of common idiomatic expressions; (3) drill upon inflection of adjectives with nouns, of pronouns, weak verbs, and the more common strong verbs; upon word order and the use of the modal auxiliaries and the more common prepositions; (4) the reading of 75 to 100 pages of easy prose with constant practice in retroversion (the teacher translating a sentence from a review passage into English and the pupil turning it back into the exact German of the text) and in translating into German easy variations of sentences selected from the reading lesson (the teacher giving the English).

During the second year the work should comprise: (1) the reading of 150 to 200 pages of easy prose, it being recommended that none of the classic drama be read in the second year; (2) continuation of the oral and aural training of the first year; (3) accompanying practice in retroversion and free reproduction and translation into German of easy variations of short and easy selected passages; (4) continued drill upon the rudiments of Grammar.

II. INTERMEDIATE—*one point*

The Intermediate requirement calls for a third year's work which should comprise, in addition to the Elementary course, the

reading of about 400 pages of moderately difficult prose and poetry with constant practice, as in the Elementary course, in oral and aural elements, and in giving paraphrases or reproductions from memory of selected portions of the reading matter; also grammatical drill upon the less usual strong verbs, use of articles, cases, auxiliaries of all kinds, tenses and modes (with special reference to the infinitive and subjunctive), and likewise upon word order and word formation.

By the end of the third year the students should be able to dispense, for the most part, with translating into English.

For good reading matter for both the Elementary and the Intermediate courses, the "Report of the Committee of Twelve" (D. C Heath and Co., Boston) is recommended.

French:—three points, optional.

Beginning with 1912–13, all entrance examinations will include a practical test in oral and aural training; schools certifying candidates for admission will be required to state on the certificate whether the candidate has had proper training of this kind, i.e. whether he has had constant drill in pronunciation, dictation, and the free reproduction (at first in English and later in French) of anecdotes read aloud in French by the teacher. Beginning with 1912–13, no credit will be given for certificates of admission covering a shorter course than that prescribed in the Elementary course as stated below, except to candidates offering four years of Latin and three years of Greek.

ELEMENTARY—*two points*

The Elementary requirement embraces a systematic course of four or five periods a week, extending over two school years. During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, and the elementary rules of syntax, with constant drill upon exercises illustrating these principles; (3) the reading of at least 100 pages of graduated texts, with constant practice in writing in French easy sentences based on the texts read, and in free reproduction; (4) simple conversation, and the writing of French prose from dictation.

The work of the second year should include: (1) the reading of at least 200 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, and in the writing of sentences illustrative of syntactical principles; (6) conversation, and the answering in French by the student of questions based on the text read; (7) retroversion and original composition.

INTERMEDIATE—*one point*

The Intermediate requirement implies a systematic course of four or five periods a week, extending over a third school year. The work should comprise: (1) the reading of at least 400 pages of French of ordinary difficulty; (2) constant practice in giving French paraphrases, abstracts, or reproductions from memory of selected portions of the matter read; (3) the study of a grammar of moderate completeness; (4) writing from dictation; (5) a continuation of the drill of the previous years in oral and aural training. During this year, French should be, as far as possible, the language of the classroom, and by the close of the year students should be able to read intelligently, without translation, ordinary French prose or poetry.

English:—three points. The requirements recommended by the Commission of Colleges in New England on Admission Examinations.

NOTE—No candidate will be accepted in English whose work is notably deficient in point of spelling, punctuation, idiom, or division into paragraphs.

1. *Reading and Practice.*

A limited number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of the examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number — perhaps ten or fifteen—set before him in the examination paper. The treatment

of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books.

The books set for this part of the examination for 1911-12 are:

GROUP 1 (two books to be selected)

Shakespeare: *As You Like It, Henry V., Julius Caesar, The Merchant of Venice,* and *Twelfth Night.*

GROUP 2 (one book to be selected)

Bacon: *Essays;* Bunyan: *The Pilgrim's Progress,* Part 1; Addison: *The Sir Roger de Coverley Papers* in the *Spectator;* Franklin: *Autobiography.*

GROUP 3 (one book to be selected)

Chaucer: *Prologue;* Selections from Spenser's *Faerie Queene;* Pope: *The Rape of the Lock;* Goldsmith: *The Deserted Village;* Palgrave: *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper, and Burns.

GROUP 4 (two books to be selected)

Goldsmith: *The Vicar of Wakefield;* Scott: *Ivanhoe* and *Quentin Durward;* Hawthorne: *The House of the Seven Gables;* Thackeray: *Henry Esmond;* Mrs. Gaskell: *Cranford;* Dickens: *A Tale of Two Cities;* George Eliot: *Silas Marner;* Blackmore: *Lorna Doone.*

GROUP 5 (two books to be selected)

Irving: *Sketch Book;* Lamb: *Essays of Elia;* De Quincey: *Joan of Arc* and *The English Mail-Coach;* Carlyle: *Heroes and Hero-Worship;* Emerson: *Essays* (selected); Ruskin: *Sesame and Lilies.*

GROUP 6 (two books to be selected)

Coleridge: *The Ancient Mariner;* Scott: *The Lady of the Lake;* Byron: *Mazeppa* and *The Prisoner of Chillon;* Palgrave: *Golden*

Treasury (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Macaulay: *Lays of Ancient Rome;* Poe: *Poems;* Lowell: *The Vision of Sir Launfal;* Arnold: *Sohrab and Rustum;* Longfellow: *The Courtship of Miles Standish;* Tennyson: *Gareth and Lynette, Lancelot and Elaine,* and *The Passing of Arthur;* Browning: *Selections.*

2. *Study and Practice.*

This part of the examination presupposes a more careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy. The books set for this part of the examination for 1911-12 are: Shakespeare: *Macbeth;* Milton: *Lycidas, Comus, L'Allegro,* and *Il Penseroso;* Burke: *Speech on Conciliation with America,* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration;* Macaulay: *Life of Johnson,* or Carlyle: *Essay on Burns.*

History:—three points, optional.

1. *Greek History*—one-half point.

The history of Greece to the death of Alexander.

2. *Roman History*—one-half point.

The history of Rome through the reigns of the Antonines.

3. *Mediaeval European History*—one-half point.

To the fall of Constantinople.

4. *Modern European History*—one-half point.

From the fall of Constantinople.

5. *English History*—one-half point.

6. *American History*—one-half point.

Preparation in History will be given credit upon the basis of time devoted to each branch of the subject, rather than upon the amount of ground covered. The amounts indicated are believed to be a fair measure of one-half year's work. The training in History should require comparison and the use of judgment on the pupil's

part, rather than the mere use of memory. The use of good text-books, collateral reading, practice in writing, and accurate geographical knowledge are essential.

Civics:—one-half point, optional. A half-year's study in the principles, methods, and usages of American government.

Mathematics:—three points, two and one-half points required.

a. *Algebra:*—one and one-half points.

(1) To Quadratics—one point.

The four fundamental operations for rational algebraic expressions; factoring, determination of highest common factor and lowest common multiple by factoring; fractions, including complex fractions, ratio and proportion; linear equations, both numerical and literal, containing one or more unknown quantities; problems depending on linear equations; radicals, including the extraction of the square root of polynomials and of numbers; exponents, including the fractional and negative.

(2) Quadratic Equations, Binomial Theorem, and Progressions—one-half point.

Simple cases of equations with one or more unknown quantities that can be solved by the methods of linear or quadratic equations.

Problems depending upon quadratic equations.

The binomial theorem for positive integral exponents.

The formulas for the *n*th term and the sum of the terms of arithmetic and geometric progressions, with applications.

b. *Plane Geometry*—one point.

The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and the measurement of the circle.

The solution of numerous original exercises, including loci problems.

Application to the mensuration of line and plane surfaces.

c. *Solid Geometry*—one-half point, optional.

The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle.

The solution of numerous original exercises, including loci problems.

Application to the mensuration of surface and solids.

Physics:—one point, optional. The candidate's preparation in Physics should include: (1) the study of at least one standard text-book, supplemented by the use of many and varied numerical problems, to the end that a pupil may gain a comprehensive and connected view of the most important facts and laws in elementary physics; (2) instruction, by lecture-table demonstrations, upon the general principles involved in the pupil's laboratory investigations; (3) individual laboratory work comprising at least thirty-five exercises. Every candidate must present as a part of the examination a note-book, certified by the teacher, and containing in the candidate's own language a description of his laboratory exercises, the steps, observations, and results of each exercise being carefully recorded. The note-book must afford clear evidence of the pupil's ability to make accurate observations and to draw correct conclusions. Students who have not had the individual laboratory work may receive credit for one-half point.

Chemistry:—one point, optional. The preparation in Chemistry should include individual laboratory work, comprising at least forty exercises selected from a list of sixty or more; instruction by lecture-table demonstrations, to be used mainly as a basis for questioning upon the general principles involved in the pupil's laboratory investigations; the study of at least one standard text-book, to the end that the

pupil may gain a comprehensive and connected view of the most important facts and laws of Elementary Chemistry. Students who have not had the individual laboratory work may receive credit for one-half point.

Botany:—one point, optional. The morphology and physiology of seed and seedling, stem, root, leaf, flower, and fruit as may be had from a half-year's study of a good text, together with the preparation of a note-book containing accurate laboratory studies on the morphology of the above organs; and an additional half-year's study on the morphology of cryptogams. One-half point will be credited for either of these courses offered independently.

Physiology:—one-half point, optional. The preparation in Physiology should include a study of the nature of foods and their history in the body; the essential facts of digestion, absorption, circulation, secretion, excretion, and respiration; the motor, nervous, and sensory functions; and the structure of the various organs by which these operations are performed. A note-book with careful outline drawings of the chief structures studied anatomically, together with explanations of these drawings, and the study of a good text-book are essential.

Zoology:—one-half point, optional. A half year's work in general natural history of common animal types; physiology of types studied and comparison of processes of animals and plants; classification of animals into phyla and leading classes, and the great characteristics of these groups; preparation of a note-book containing accurate laboratory studies of types, such as protozoan, sponge, hydra, worm, clam, insect, frog.

Physical Geography, or Physiography:—one-half point, optional. One-half year in the study of a good modern text-book, together with weekly laboratory and field exercises.

Astronomy:—one-half point, optional. A half-year's work, including the following among the chief topics: The Celestial Sphere: designation of the directions of a heavenly body. The Earth: its axial rotation; time, latitude, longitude; its orbital revolution; precession, aberration, the seasons, equation of time, the calendar. The Moon: its axial rotation, orbital motion, librations, phases, surface features, physical condition; lunar and solar eclipses. The Sun: its rotation, physical characteristics, light, and heat. The Planets: apparent and real motions, individual characteristics. The Law of Gravitation : its control of the solar system; the tides. Comets and Meteors: their nature and motions. The Stars: designation, classification by constellations, motions, distance, brightness, variables. Stellar Systems: clusters, nebulae; the stellar universe, cosmogony.

ADMISSION TO ADVANCED STANDING

A candidate for admission to advanced standing who comes from an approved institution of collegiate rank may receive credit, without examination, for work done at such institution, provided he present a detailed statement of his previous work. This statement should include a full list of preparatory subjects accepted for admission by the institution previously attended, and also a list of the subjects taken there for which credit has been attained. A letter of honorable dismissal from the institution last attended must also be presented.

Every other candidate for admission to advanced standing must first satisfy the entrance requirements of the courses which he desires to enter. He may then receive credit for any subject included in the curriculum of that course in which he can pass a satisfactory examination. Such students, not coming from other Colleges, will be required to pay a fee of $5 if admitted to the Sophomore class, or $10 if admitted to higher rank.

Credit toward a degree for work done outside of College will be allowed on the applicant's passing an examination in the course for which he wishes credit.

COURSES OF INSTRUCTION

The courses in the several departments are arranged in three groups, or courses of study: the Classical Course and the Pedagogical Course, both leading to the degree of Bachelor of Arts, and both open to men and women; and the Scientific Course, leading to the degree of Bachelor of Science, and open to men only. These courses are designed to be equal in difficulty and thoroughness.

CLASSICAL COURSE

The Classical Course is recommended to students preparing for the ministry, the law, or medicine; also to those intending to become teachers, librarians, or journalists, and to those who wish to pursue advanced studies in philosophy, literature, or science. It embraces a larger proportion of subjects in language, literature, and philosophy, and is the better course for general culture. Four years of preparatory Latin are required, and at least one year of Latin in College. This course includes that formerly known as the Latin-Scientific. Greek is optional, but is earnestly recommended to those seeking the broadest culture.

The degree of Bachelor of Arts is conferred on those students who have met the requirements of the Classical Course.

SCIENTIFIC COURSE

The Scientific Course is designed to meet the needs of students who intend to follow some branch of engineering, or who wish to devote special attention to

mathematics or some department of natural or physical science. There are men of practical bent of mind who can receive better mental development through a larger proportion of mathematical and scientific studies than is afforded in the Classical Course. At the same time they need thorough discipline in English and Modern Languages, in History and Political Science, and in Psychology. This course is adapted to such discipline, while it also sets the student well on his way toward further progress in technical subjects. Graduates from this course will be admitted to the Junior year of the best technical Colleges without examination. Such an arrangement has been concluded with the Massachusetts Institute of Technology. By this means they will receive the general discipline and culture of College in but little more time and with slightly more expense than if they proceeded directly from the academy to the school of engineering. Latin may be presented for admission to this course, but is not required.

The degree of Bachelor of Science is conferred on those students who have met the requirements of the Scientific Course.

PEDAGOGICAL COURSE

The Pedagogical Course is designed for those who intend to prepare themselves for teaching, either as teachers of high school subjects in secondary schools or as superintendents of education. As fundamental to the study of education, History and Educational Psychology are required in Freshman year; the History of Education is pursued throughout the Sophomore year; the Principles and Methods

of Secondary Education is required in Junior year, and in the final year actual practice in teaching or in supervision is provided. The design of the course is to apply normal methods, which have been so successful in the reformation of elementary education, to the problems of the secondary school.

The degree of Bachelor of Arts is conferred on those students who have met the requirements of the Pedagogical Course.

REGISTRATION AND CHOICE OF STUDIES

Every student is required to register at the Registrar's office at the beginning of each semester. No student will be received in any class until he has presented to the instructor a card from the Registrar's office admitting him to that class.

In each course and in each year some studies are required and some elective. All students are required to have at least fifteen hours of recitation a week. Students securing admission credits in any study of the curriculum will ordinarily be required to elect another study in its place, either an advanced subject in the same department or a study in some other department of instruction.

There are certain subjects which are required before graduation, but are not required in any particular year. These subjects are, therefore, listed as electives in the outline of studies. Every student must have taken before graduation one of the courses in composition or public speaking listed in the catalogue as English 13, 14, 15, 16. Before the degree of Bachelor of Arts is conferred, the candidate must have received credit for at least two years of French or two years of German, either for admission

or in College. One year of College history is also required before graduation. Before the degree of Bachelor of Science is conferred, the candidae must have received credit for at least three years of German and two years of French, either for admission or in College. One year each of Physics, Chemistry, and Biology is also required before graduation.

A student may elect any study offered to a class below his own, and not already taken by him, if such choice is approved by the President and the instructor in that department.

A student may have more than fifteen hours of recitation a week, under the following conditions:

1. No student may take more than five subjects in any semester who has still conditions in any subject or whose grade for the preceding semester has been lower than 80 per cent. in more than one subject. Election may be from classes not higher than the year next above.

2. Each completed course shall count towards a degree, the degree being earned when 120 credits have been attained. A credit is understood as one hour a week for one semester, and 120 credits are secured regularly by 15 hours a week each semester for four years.

3. When a student has more than 15 hours in any semester, his rank for the semester shall be determined by the 15 hours in which he receives the highest marks, except that marks on all required subjects shall be included.

A student admitted without conditions may make request from the Registrar, at the time of registration, for an examination for College credit in any subject of the Freshman year. If such examination

is passed with a grade above 70 per cent., credit will be allowed for the course toward any degree, as though the subject had been taken regularly in College. A student passing off any subject or subjects in this manner will be required to make up 15 hours of recitation a week from other studies offered to his class.

Any course may be taken in three years, and the Bachelor's Degree may be received at the end of the third year, if the candidate has attained 120 credits and has completed all required subjects.

SUGGESTED ELECTIVE GROUPS

Each of the courses, Classical, Pedagogical, Scientific, allows students to shape their college work toward some definite professional or vocational end. This can be done only through a wise choice of elective studies. Middlebury College offers to every student the personal advice and assistance of the President and some member of the Faculty in laying out a purposeful plan of work. Certain groups of elective studies have been formed, as hereafter described, for the benefit of students who have definite aims. In connection with each one of these groups of study a member of the Faculty is appointed by the President to act as an adviser to students wishing to specialize in that group. Every student at the beginning of his college course shall consult the President, who will refer him to the adviser in the group best suited to his needs. Students in any group should elect as fully as possible from the courses offered in that group. For the student whose purpose is to secure in College, without reference to subsequent vocation, a broad, general foundation,

the entire elective list is of course open, for such selection as shall seem wisest to himself and his advisers.

The co-ordination of electives here suggested, while encouraging definiteness of purpose, is in no way hostile to the claims of liberal training. In any group the electives indicated as advisable are not more than half the number that are necessary for securing a degree. The student, therefore, who adheres most closely to the suggestions that are offered need not fail of the general culture that it is the special purpose of the College to impart.

Agriculture

Elementary Biology, General Botany, Fungi and Lichens, Bacteriology, General Zoölogy, Physiology of Plants, Forestry, Descriptive Chemistry, General Laboratory Chemistry, Agricultural Chemistry, Surveying and Plotting, Sociology, Contracts and Commercial Law.

Business

French or German, Political Economy, American Colonial History, American History from 1783, Constitutional History of the United States, Sociology, Contracts and Commercial Law, Descriptive Chemistry, General Laboratory Chemistry, Elementary Biology, General Botany, General Physics, General Zoölogy. See also Mineral Industry.

Education

Students of Education, if intending to enter teaching or supervision as a profession, will take the Pedagogical Course. Others may elect Educational Psychology, History of Education in Europe, American Education, Secondary Education, and departmental courses in the subjects which they intend to teach. See page 75.

Engineering

Surveying and Plotting, Differential Calculus, Mechanical Drawing and Descriptive Geometry, Integral Calculus, Astronomy,

French (two years), German (two years), Physical Measurements, Descriptive Chemistry, General Laboratory Chemistry. Admission to Junior standing in the best technological institutions necessitates having credits in Mechanical Drawing, Descriptive Geometry, French and German, Inorganic Chemistry, Calculus.

Journalism

Paragraph Writing, Principles of Literary Criticism, Victorian Prose, The English Novel, Mediaeval European History, Modern European History, American History from 1783, Constitutional History of England, Constitutional History of the United States, Political Economy, Sociology, Constitutional Law, French, German.

Law

Mediaeval European History, Modern European History, American Colonial History, American History from 1783, Constitutional History of England, Constitutional History of the United States, Argumentation and Debate, Political Economy, Elementary Law, Constitutional Law, Contracts and Commercial Law, Roman Law, American Jurisprudence, Sociology.

Medicine

Elementary Biology, General Botany, Bacteriology, General Zoölogy, Comparative Anatomy, Human Anatomy, Vertebrate Embryology, General Physics, Descriptive Chemistry, General Laboratory Chemistry, Qualitative Analysis, Gravimetric Analysis, Advanced Quantitative Analysis, Organic Chemistry, Sanitary Chemistry, French, German.

Mineral Industry

Descriptive Chemistry, General Laboratory Chemistry, Qualitative Analysis, Gravimetric Analysis, Advanced Quantitative Analysis, Organic Chemistry, General Geology, Economic Geology of Vermont, Petrography, Surveying and Plotting, Mechanical Drawing, Astronomy, Contracts and Commercial Law.

Theology

Principles of Literary Criticism, Argumentation and Debate, Plato and Xenophon, A Study in Roman Philosophy, History of Philosophy and Ethics, Kant, Systematic Ethics, Contemporary

Epistemology, Metaphysics, Studies in the Philosophy of Religion, History of Mediaeval Europe, American History from 1783, Political Economy, Sociology, Elementary Biology, General Zoölogy, German.

OUTLINE OF STUDIES[1]

FRESHMAN YEAR

FIRST SEMESTER

CLASSICAL	PEDAGOGICAL	SCIENTIFIC
Required	*Required*	*Required*
English 1	English 1	English 1
Latin 1	Latin 1	Mathematics 1
Mathematics 1	History 1	Physics 1
Elective	*Elective*	*Elective*
(any two)	(any two)	(any two)
Greek	Greek	Greek
German	German	German
French	French	French
History 1	Mathematics 1	History 1
Botany 1	Physics 1	Botany 1
	Botany 1	

SECOND SEMESTER

CLASSICAL	PEDAGOGICAL	SCIENTIFIC
Required	*Required*	*Required*
English 2	English 2	English 2
Latin 2	Latin 2	Mathematics 2
Mathematics 2	Pedagogy 1	Physics 2
Elective	*Elective*	*Elective*
(any two)	(any two)	(any two)
Greek	Greek	Greek
	German	

[1] See, on p. 30, the paragraph as to studies required at some time before graduation.

German	French	German
French	Mathematics 2	French
History 2	History 2	History 2
Botany 2	Physics 2	Botany 2

SOPHOMORE YEAR

FIRST SEMESTER

Classical	Pedagogical	Scientific
Required	*Required*	*Required*
English 3	English 3	English 3
Elective	Pedagogy 2	Mathematics 3
(any three, except that either Physics 1, Botany 1, or Zoölogy 1 must be taken)	Zoölogy 1	*Elective*
	Elective	(any three)
	(any two)	Greek
Greek	Greek	English 13 or 15
Latin 3	Latin 3	German
English 13 or 15	English 13 or 15	French
German	German	History 1, 3, 5
French	French	Physics 3 or 4, 5
History 1, 3, 5	History 3, 5	Chemistry 1
Mathematics 3	Mathematics 3	Botany 1
Botany 1	Physics 3 or 4, 5	Zoölogy 1
Zoölogy 1	Botany 1	Pedagogy 2
Physics 1	Philosophy 4	Philosophy 4
Pedagogy 2		
Philosophy 4		

SECOND SEMESTER

Classical	Pedagogical	Scientific
Required	*Required*	*Required*
Philosophy 1	Philosophy 1	Philosophy 1
Elective	Pedagogy 3	Mathematics 4
(any three, except that Physics 2, Botany 2, or	Botany 2	*Elective*
	Elective	(any three)
	Greek	Greek

Zoölogy 2 must be taken)
Greek
Latin 4
English 4, 14 or 16
German
French
History 2, 4, 6
Mathematics 4
Physics 2
Botany 2
Pedagogy 1, 3
Philosophy 5
Zoölogy 2

Latin 4
English 4, 14 or 16
German
French
History 4
Mathematics 4
Philosophy 5
Physics 6
Zoölogy 2

English 4, 14 or 16
German
French
History 2, 4, 6
Physics 6
Chemistry 2
Zoölogy 2
Botany 2
Pedagogy 1, 3
Philosophy 5

JUNIOR YEAR

FIRST SEMESTER

CLASSICAL AND SCIENTIFIC

Required

Philosophy 2

Elective

(any four)
Greek
Latin 5, 6, 8, 10, 11, 15
English 5, 7 or 9, 11, 13 or 15
German
French
Philosophy 4, 6, 11
Pedagogy 2, 4
Political Science 1, 7, 13
History 3, 5, 7
Mathematics 5, 7, 9
Physics 3 or 4, 5
Botany 3 or 5
Zoölogy 3, 5
Geology 1
Chemistry 1, 3

PEDAGOGICAL

Required

Pedagogy 4
Geology 1

Elective

(any three)
Greek
Latin 5, 6, 8, 10, 11, 15
English 5, 7 or 9, 11, 13 or 15
German
French
Philosophy 2, 4, 6, 11
Political Science 1, 7, 13
History 3, 5, 7
Mathematics 5, 7, 9
Botany 3 or 5
Zoölogy 3, 5
Chemistry 1
Physics 3 or 4, 5

SECOND SEMESTER

CLASSICAL AND SCIENTIFIC

Required
Philosophy 3
Elective
(any four)
Greek
Latin 7, 9, 12, 13, 14
English 6, 8 or 10, 14 or 16
German
French
Philosophy 5, 7
Political Science 8, 10 or 11, 14
History 4, 6
Pedagogy 1, 3, 5
Mathematics 6, 8, 10, 11
Physics 6
Botany 4 or 6, 7
Zoölogy, 2, 4, 6
Geology 2, 4
Chemistry 2, 4

PEDAGOGICAL

Required
Pedagogy 5
Geology 2
Elective
(any three)
Greek
Latin 7, 9, 12, 13, 14
English 6, 8 or 10, 14 or 16
German
French
Philosophy 3, 5, 7
Mathematics 6, 8, 10, 11
Physics 6
Botany 4 or 6, 7
Zoölogy 2, 4, 6
Chemistry 2
Geology 4
History 4, 6
Political Science 8, 10 or 11, 14

SENIOR YEAR

FIRST SEMESTER

CLASSICAL AND SCIENTIFIC

Required
History 9
Elective
(any four)
Greek
Latin 5, 6, 8, 10, 11, 15
English 5, 7 or 9, 11, 13 or 15
German
French
Philosophy 4, 6, 11
Pedagogy 2, 4
History 5, 7

PEDAGOGICAL

Required
Pedagogy 8*
History 9
Elective
(any four)
Greek
Latin 5, 6, 8, 10, 11, 15
English 5, 7 or 9, 11, 13 or 15
German
French
Philosophy 4, 6, 11
Pedagogy 6

* Either Pedagogy 8 or Pedagogy 9 must be taken in the Senior year, but not both.

Political Science 2, 5, 9, 13, 15
Mathematics 5, 7, 9
Botany 3 or 5, 7
Zoölogy 3, 5
Geology 1, 3
Chemistry 3, 5
Physics 3 or 4, 5

History 5, 7
Political Science 2, 5, 9, 13, 15
Mathematics 5, 7, 9
Botany 3 or 5, 7
Zoölogy 3, 5
Geology 3
Chemistry 3
Physics 3 or 4, 5

SECOND SEMESTER

Classical and Scientific

Required
Political Science 6
Elective
(any four)
Greek
Latin 7, 9, 12, 13, 14
English 6, 8 or 10, 12, 14 or 16
German
French
Philosophy 5, 7
Pedagogy 1, 2, 5
Political Science 3 or 4, 9, 10 or 11, 12, 14, 16
History 6, 8
Mathematics 6, 8, 10, 11
Botany 4 or 6, 7
Zoölogy 2, 4, 6
Geology 2, 4
Chemistry 4, 6
Physics 6

Pedagogical

Required
Pedagogy 9*
Political Science 6
Elective
(any three)
Greek
Latin 7, 9, 12, 13, 14
English 6, 8 or 10, 12, 14 or 16
German
French
Philosophy 5, 7
Pedagogy 7
Political Science 3 or 4, 9, 10 or 11, 12, 14, 16
History 6, 8
Mathematics 6, 8, 10, 11
Botany 4 or 6, 7
Zoölogy 2, 4, 6
Geology 4
Chemistry 4
Physics 6

* Either Pedagogy 8 or Pedagogy 9 must be taken in the Senior year, but not both.

DEPARTMENTS OF INSTRUCTION

I. BIOLOGY

The courses in Botany and Zoology are designed for those who wish to know something of the elementary principles and aims of these sciences, to lay a broad foundation for advanced scientific work, to teach Natural Science, or to study Medicine, Agriculture, or Forestry.

Students giving special attention to Forestry should take, in addition to 7, 5 and 6 for structure of timber and growth of trees, and 3 for destruction of timber by fungi and diseases of trees. These courses provide two years of continuous advanced work in Forestry.

BOTANY

PROFESSOR BURT

1. *Elementary Biology*

The Morphology of Cryptogams. An introductory course giving a general survey of the plant world from the simplest organisms up to the flowering plants. Lectures and recitations on the morphology, physiology, and reproduction of plants and the relation of fungi and bacteria to fermentation, putrefaction, and disease. The laboratory work consists chiefly of the microscopic study of the principal representative cryptogams.

First semester; three periods a week. Required for B.S. students before graduation; elective for A. B. students.* Laboratory fee, $5.

* Except when equivalent courses have been accepted for admission.

2. *General Botany of Flowering Plants*

Laboratory work and recitations on seed, shoot, root, flower, and fruit, and on the more elementary features of germination, nutrition, pollination, dissemination, and plant breeding. Propagation and care of plants. Determination of plants and the preparation of herbarium specimens.

Second semester; three periods a week. Required for Sophomores in the Pedagogical Course; elective for Freshmen in the Classical and Scientific Courses. Those who have had Botany in high school may elect 1 instead of 2. Laboratory fee, $2.

3. *Fungi and Lichens*

A course in which the higher groups of economic fungi and the myxomycetes and lichens are studied in detail. Edible and poisonous fungi, fungi destructive to timber and trees; lectures on their structure, life history, and classification. Laboratory work on external morphology, microscopic structure, and results produced by these plants; determination of the genera and frequently of the species studied. Unusual advantages for this course are afforded by the proximity of the College to forests.

First semester; three periods a week. Elective after 1. (Given in 1909-10; to be given again in 1911-12.) Laboratory fee, $5.

4. *Bacteriology*

A course for general education on bacteria, germs, or microbes in their relation to the individual, the household, and the community. Lectures on the morphology and life history of bacteria, culture methods, drinking water, contamination of food, beneficial bacteria, some pathogenic species and the diseases they cause, infection, and immunity. Laboratory work in the preparation of culture media, destruction of bacteria, isolation of species, and study of pure cultures. This course affords a good foundation for the special work on pathogenic bacteria in medical Colleges.

Second semester; three periods a week. Elective after 1 and 2. (Given in 1909-10; to be given again in 1911-12.) Laboratory fee, $5.

5. *Histology of Plants*

Recitations and laboratory work on external morphology of plants, the cell, cell fusion, tissue systems, structure of woods, the develop-

ment of the secondary or adult tissues from embryonic tissue; technique of imbedding, sectioning, and staining for study of nuclear and cell structure.

First semester; three periods a week. Elective for Juniors and Seniors who have had 2 or Botany in high school. (Given in 1910-11; to be given again in 1912-13.) Laboratory fee, $5.

6. *Physiology of Plants*

Continuation of 5. Having studied in 5 the anatomy of the plant body, the student here takes up in recitation, laboratory work, and experiments the work of the several tissues and organs of the living plant. These studies cover stability of the plant body, nutrition, respiration, starch and sugar formation, work of plant ferments, growth, phenomena of movement and reproduction.

Second semester; three periods a week. Elective after 5. (Given in 1910-11; to be given again in 1912-13.) Laboratory fee, $5.

7. *Forestry*

A course treating especially of the management of wood lots and forests for New England. Lectures on scope and function of forestry, utility of forests, most valuable trees and the tree weeds of New England, improvement of the character and composition of the forest, establishing woods by seeding, transplanting and coppice growth, utilization of waste land for tree crops. Practical exercises in recognizing the kinds of forest trees, planting tree seeds and transplanting seedlings, principles of thinning woods, and measurement of logs and lumber.

Second semester; two hours and one-half day a week. Elective for those who have taken 2 or its equivalent.

ZOOLOGY

Assistant Professor Brown

1. *General Zoology of Invertebrates*

An elementary course in general Zoology dealing with invertebrates. The lectures and recitations start with an introduction to the study of animals, the nature and characteristics of the animal

organism, and the basis of classification. Then follows a systematic study of the larger subdivisions of the invertebrate animals, supplemented by lectures on the cell and cell structure, embryology of metazoans, evolution, variation, natural selection, saltation, and heredity. Typical representatives of the various groups will be studied in the laboratory.

First semester; three periods a week. Required for Sophomores in the Pedagogical Course; elective for Sophomores in the Classical and Scientific Courses. Laboratory fee, $5.

2. *General Zoology of Vertebrates*

An elementary course in the general Zoology of vertebrates. This course embraces a general survey of the vertebrate phylum including its evolution, embryology, and distribution in time and space. A few typical representatives such as the skate and frog will be dissected in the laboratory.

Second semester; three periods a week. Elective for all Sophomores. Laboratory fee, $5.

3, 4. *Comparative Anatomy of Vertebrates*

A systematic study of the comparative anatomy of vertebrates. The first semester is devoted to the study of the epidermis and epidermal structures (scales, feathers, hairs, etc.), and the skeleton or hard parts of the various groups of vertebrates. The second semester is devoted to a comparative study of the soft anatomy, including the muscular system, nervous system, organs of nutrition, respiration, circulation, and the urino-genital system. The laboratory work consists of the dissection of typical representatives of the various groups of vertebrates.

Three periods a week throughout the year. Elective for Juniors and Seniors who have had Zoology 2. (To be given in alternate years with Courses 5, 6. Given in 1910-11 and 1912-13.) Laboratory fee, $5.

5. *Human Anatomy and Physiology*

This course is designed to give the student a quick and comprehensive grasp of the essential facts of human anatomy and human physiology. A general outline of the subject will be given first and this will be followed by a more detailed study of the various parts and organs of the body, considering both their anatomical structure

and their physiological function. In so far as possible the conditions necessary for a healthful and hygienic life and development of the human body will be indicated.

First semester; three periods a week. Elective for Juniors and Seniors.

6. *Vertebrate Embryology*

This course will consist of a detailed study of the embryonic development of typical vertebrates. A few typical forms such as the frog and the chick will be studied in detail in class and laboratory work, and this will be supplemented by lectures and recitations on the development of other less easily obtainable forms.

Second semester; three periods a week. Elective for Juniors and Seniors who have had Zoology 2. Laboratory fee, $5.

II. CHEMISTRY

PROFESSOR MCGILTON

The study of Chemistry is pursued in the well-equipped laboratories of the Warner Science Hall. The course is designed to give the student an insight into the principles of the science and to make him acquainted with the more frequently occurring elements and compounds. The elements of Inorganic Chemistry are taught by lectures, laboratory work, and recitations from a text-book. The applications of Chemistry to modern industry and some of the recent advances in the science are discussed. Advanced courses of lectures and laboratory work are offered in Inorganic and Organic Chemistry, open only to those who have completed successfully the elementary courses. It will be noted that those who desire three years of Chemistry must begin the subject in the Sophomore year.

1. *Descriptive Chemistry*

Non-metallic elements and their principal compounds and their relation to the metals. Acids, bases, and salts are studied carefully and their formation illustrated. Electrolytic dissociation, ionisation, Faraday's laws, and the theory of solution are discussed at length and illustrated. Numerous chemical problems involving atomic and molecular weights, percentage composition, etc., are solved by the student. One of the main objects of the course is to give the student a broad appreciation of the importance of chemical processes in the structure of matter and the relations of these processes to life. Lectures and recitations.

First semester; three hours a week. Elective for A.B. Juniors; required for B.S. students some time after Freshman year. Laboratory fee, $5.

2. *General Laboratory Chemistry*

Lectures, recitations, and laboratory work on general descriptive chemistry. By means of the study of the preceding semester, the student is able, at his own desk and with his own apparatus, to manufacture the most important chemical compounds and to isolate the principal elements. Full notes are kept by him of each step taken and of each observation made, and frequent reports are presented to the instructor. The student has constantly brought to his attention, by lectures and the use of reference books, the sources and industrial value of the substances which he handles.

Second semester; three hours a week, or three periods a week of laboratory work. Elective in the same year for A.B. students who have completed 1. Must be taken by all B.S. students consecutively with 1 some time after Freshman year. Laboratory fee, $5.

3. *Qualitative Analysis*

Special attention is given to the analytical reactions of each base and to practice in the separation of metals from each other in unknown liquid and solid mixtures. The characteristic reactions of acid radicals are studied and the complete constitution of unknown bodies is determined. Preliminary tests and blow-pipe analysis are a part of the work.

First semester; three hours a week. Open to all Juniors and Seniors who have completed 2. Laboratory fee, $5.

4. *Gravimetric Quantitative and Volumetric Quantitative Analysis*

Analysis of minerals and ores. The various methods for decomposing silicates and refractory substances and bringing them to a condition of solution are carefully studied. The student learns the use and manipulation of the chemical balance, makes quantitative determinations of metals, and studies the percentage composition of compounds. Stoichiometry, with practice in chemical problems, is especially emphasized. The making of standard solutions and their applications in the determination of the percentage composition of bodies volumetrically form a part of the work.

Second semester; three hours a week. Open to all students who have completed 3. Laboratory fee, $5.

5. *Industrial and Sanitary Chemistry*

The preparation and dyeing of textile fabrics. Chemical processes involved in the paint, oil, leather, soap, paper, iron, and steel industries. Analysis of water. The purification of water supplies. Disinfectants, antiseptics, and deodorants. The chemistry of cooking and the analysis of foods and beverages, with reference to dietary adulterations.

First semester; three periods a week. Elective for those who have taken 4. Laboratory fee, $5.

6. *Agricultural Chemistry*

The analysis of soils, fertilizers, and feeding materials. The effect of acid forming and base forming elements in soils and fertilizers. The composition of foods and the principle of balanced rations. The analysis of dairy products; the determination of the percent. of ash, water, sugar, and total solids in milk, butter, and cheese. Determination of the percent. of fat by both the Babcock method and the Adams-Soxhlet continuous extraction method. Factors which influence the sanitary conditions of dairying. The effects of bacteria in milk and its products. The principles of nitrification and the influence of bacteria in soils.

Second semester; three periods a week. Elective for those who have taken 4. Laboratory fee, $5.

III. ENGLISH

Professor Wright
Assistant Professor Cady

The department of English aims to secure a knowledge of historical development in the English tongue; an appreciation of what is best in the writings of its users; and ability in personal practice for creditable literary work. A course in methods is also offered to those who purpose teaching English. To secure these results the following lines of study are pursued:

I. *English Literature.* The second semester of the Sophomore year is devoted to a general survey of the principal English authors from Chaucer to the present time, the work being introductory to the more detailed investigations of the various subsequent courses.

II. *English Language.* The first semester of the Sophomore year is given to a study of the development of the English language, with special reference to its syntax and vocabulary. A further course in Old English in the Junior year is preliminary to a study of Chaucer and fourteenth century English.

III. *English Composition.* The required work in composition is placed at the beginning of the course and continued throughout the Freshman year. Familiarity with the common rules of rhetoric is assumed and the study is conducted largely from the standpoint of its underlying principles. In addition, four elective courses are offered to Sophomores, Juniors, and Seniors, some one of which is required of every student before graduation. These courses are intended to give special drill in narration, description, exposition, and argument.

IV. *Public Speaking.* In place of the rhetoricals formerly required of all students, two of the courses in English composition are especially adapted to give instruction in the art of public speaking. The aim is to train students in the appropriate presentation of their own thought; to this end the courses in argumentation and oratory have been especially designed. By the careful analysis of typical classic arguments and orations, and by the preparation and presentation of frequent speeches on the part of each student, it is believed that the value of the instruction in public speaking will be much increased.

The English schedule is as follows:

1. *Composition and Rhetoric*

The work is divided between practical composition and a study of the art on the basis of its principles. Weekly compositions are required, which are progressive throughout the year.

First semester; three hours a week. Required of all Freshmen. Assistant Professor Cady.

2. *Composition and Rhetoric*

A continuation of the work of 1.

Second semester; three hours a week. Required of all Freshmen. Assistant Professor Cady.

3. *History of the English Language*

A presentation, through text-book and lecture, of the place of English in the Indo-European family of languages and of the development of its syntactic and verbal forms.

First semester; three hours a week. Required of all Sophomores. Professor Wright.

4. *History of English Literature*

A rapid treatment of the successive phases of English literary development. The leading facts of English history are also discussed whenever they are necessary to an adequate understanding of the subject.

Second semester; three hours a week. A Sophomore elective. Professor Wright.

5. *Old and Middle English*

A course in the development of the English language and literature from the first Teutonic settlements to the close of the fourteenth century, the end in view being a literary appreciation of Chaucer soundly based on a knowledge of the fundamental facts of English linguistic history.

First semester; three hours a week. Elective for Seniors and Juniors. Professor Wright.

6. *American Literature*

A treatment of the subject similar to that of Course 4.

Second semester; three hours a week. Elective for Seniors and Juniors. Professor Wright.

7. *Victorian Prose*

Macaulay, Carlyle, Ruskin, Arnold, Newman. A study of certain notable utterances of each, to determine their chief characteristics as stylists and the nature of their contributions to Victorian thought.

First semester; three hours a week. Elective for Seniors and Juniors. Professor Wright.

8. *Victorian Poetry*

Tennyson, the Brownings, Matthew Arnold, the Rossettis, William Morris. A study similar to that outlined in Course 7.

Second semester; three hours a week. Elective for Seniors and Juniors. Professor Wright.

9. *The Principles of Literary Criticism*

A detailed study of the nature of literature and of its intellectual, emotional, and formal elements.

First semester; three hours a week. Elective for Seniors and Juniors. Professor Wright. (To be given in 1912-13.)

10. *The English Novel*

A study of its origin and development, of the various types and their chief exponents, and of present-day tendencies.

Second semester; three hours a week. Elective for Seniors and Juniors. Professor Wright. (To be given in 1913.)

11. *Shakespeare*

This course is an intensive study, through the medium of the plays, of the development of Shakespeare, the man and the dramatic artist.

First semester; three hours a week. Elective for Seniors and Juniors. Assistant Professor Cady.

12. *Methods in the Teaching of English*

A course devoted to a consideration of the problems of the Department of English in the secondary schools, and intended to be of help to prospective teachers in that department. Critical examination of important writings upon the subject, and discussion of theories therein advanced. An endeavor to determine the purposes of English study and the various means whereby they may be most effectively accomplished.

Second semester; three hours a week. Elective for Seniors. Assistant Professor Cady.

13. *Expository Writing*

Writing of single and connected paragraphs, the aim being to develop precision in statement and skill in sentence structure. A detailed study of the forms of the paragraph. The writing of frequent themes to be read and criticised in the class.

First semester; three hours a week. Elective for Sophomores, Juniors, and Seniors. Assistant Professor Cady. (Given in 1910-11 and 1912-13.)

14. *Public Speaking; Argumentation*

The theory of Argumentation, practice in brief-making and in the construction and delivery of argumentative speeches. Extended analysis of typical speeches. Frequent delivery of prepared addresses before the class will be required of all who take the course.

Second semester; three hours a week. Elective for Sophomores, Juniors, and Seniors. Assistant Professor Cady. (Given in 1910-11 and 1912-13.)

15. *Public Speaking; Oratory*

The nature and the kinds of formal oratory. Analysis of typical orations. Preparation of original orations and their frequent delivery before the class.

First semester; three hours a week. Elective for Sophomores, Juniors, and Seniors. Assistant Professor Cady.

16. *Narration and Description*

A detailed study of narrative and descriptive prose. The story from the standpoint of its structure. The writing of a certain number of short stories, of from 1500 to 2500 words, will be required of each member of the class.

Second semester; three hours a week. Elective for Sophomores, Juniors, and Seniors. Assistant Professor Cady.

IV. FRENCH

ASSISTANT PROFESSOR ROBINSON

Elementary courses in French are offered for those who have not presented the language for admission. Thorough grammatical drill is emphasized and frequent prose exercises are required in the first and second years. Much attention is paid early in the course to the development of correct pronunciation, and French is made, as far as possible, the language of the classroom. The study of French literature is begun in the second year and continued throughout the course, alternate years being devoted to the study of different epochs. Students of any class may take any course in French for which they are fitted.

1. *Beginning French*

Elements of the grammar; drill in pronunciation; reading and translation of easy prose; study of the irregular verbs.

First semester; three hours a week.

2. *Beginning French*

Grammar completed; dictation exercises; easy prose such as Malot, *Sans Famille;* Dumas, *Excursions sur les Bords du Rhin.*

Second semester; three hours a week.

3, 4. *Intermediate French*

Thorough review of grammar; composition, and translation from English into French; sight translation and free reproduction. Much emphasis is laid upon the reading, in French, of easy texts such as About, *Le Roi des Montagnes;* Hugo, *La Chute;* Scribe, *Le Veue d'Eau;* Balzac, *Le Curé de Tours;* Loti, *Pêcheur d'Islande.*

First and second semesters; three hours a week. Open to students who have had Courses 1 and 2, or their equivalent.

5, 6. *Introduction to French Literature*

History of the development of the French language and literature from the Oaths of Strassburg to the twentieth century. This course is based on a manual of French literature, with lectures, library reading, and careful study of representative works of the most celebrated authors.

First and second semesters; three hours a week. Open to students who have had two years of French.

7, 8. *French Literature in the Seventeenth Century*

The classical drama—Corneille, Molière, Racine; the poetry of La Fontaine and Boileau; French prose from Descartes to St. Simon.

First and second semesters; three hours a week. Open to students who have had Courses 5 and 6. (To be given in 1912-13.)

9, 10. *French Literature in the Eighteenth Century*

Montesquieu, Voltaire; Diderot and the Encyclopedists; the Revolution and its bearing on literature; Rousseau and his philosophy; Le Sage, Marivaux, Beaumarchais.

First and second semesters; three hours a week. Open to students who have had Courses 5 and 6. (Given in 1910-11.)

11. *An Advanced Course in French Syntax*

This course, for students planning to teach French, will consist of a critical study of the principles of syntax and the best method of presenting these principles.

Second semester; three hours a week. Open to students who have had three years of French. (Given in 1910-11.)

12, 13. *French Literature in the Nineteenth Century*

The Romanticists; Realism and Naturalism; literary criticism—Chateaubriand, Sainte-Beuve, Taine; the modern drama.

First and second semesters; three hours a week. Open to students who have had Courses 5 and 6.

V. GEOLOGY

Assistant Professor Brown

Vermont offers an especially attractive field for the study of Geology. The rocks of the Champlain Valley illustrate some of the most interesting fields of geological study, and the largest interests of the State, the marble, granite, and slate quarries, are within the field of economic Geology, to which special attention is paid. Field work is emphasized and the collections of the College in Mineralogy and Paleontology are constantly employed. It is desirable that only those students elect the course in Geology who have already completed the elementary courses in Physics and Chemistry.

1. *General Geology*

Dynamical Geology: a study of the atmospheric, aqueous, igneous, and organic agencies acting on and modifying the earth's surface; structural Geology: the rocks of the earth's crust; structure of rock masses; stratification; dislocation and fracture of strata; cleavage; joints, and mineral veins. Lectures, recitations, and laboratory work.

First semester; three periods a week, and three to five field trips. Elective for Juniors and Seniors in the Classical and Scientific Courses; required for Juniors in the Pedagogical Course.

2. *General Geology*

Stratigraphic and Historical Geology and Elementary Paleontology; the history of the evolution of the earth and of the organic kingdom. Lectures, recitations, and laboratory work, supplemented by not less than five field trips to near-by points of interest.

Second semester; three periods a week. Required for Juniors in the Pedagogical Course; elective in the Classical and Scientific Courses for those who have had 1.

3. *Economic Geology of Vermont*

A general survey of the economic Geology of Vermont, including a discussion of the marble, granite, and slate industries, and the mineral, mine, and quarry resources of the State. Statistics of the mineral products and industries; soils, their composition and influence upon agricultural pursuits. The principles of economic Geology; the origin and nature of ore deposits, mineral veins, and non-metallic products.

First semester; three periods a week. Elective for those who have had 1 and 2.

4. *Petrography and Mineralogy*

Elementary Mineralogy: minerals, crystals, crystal systems, cleavage, hardness, optical properties; determinative Mineralogy and blow pipe analysis. The microscopic examination of mineral and rock sections; structure, texture, and classification of rocks.

Second semester; three periods of two hours each. Elective for Juniors and Seniors. Laboratory fee, $5.

VI. GERMAN

ASSISTANT PROFESSOR SKILLINGS

The instruction in German aims, on the one hand, to develop in the student a practical reading (not translating) ability, so that he may use German readily in this and other branches of study; and, on

the other hand, to introduce him to German literature. In the earliest stages of the study, the primary object is to develop a feeling for the language—Sprachgefühl. Translation is gradually dispensed with, in the belief that only by so doing can one read fluently and widely, or appreciate the beauties of form and expression in the works of literature. By emphasizing the language as a living vehicle of expression, it is expected that some students will make a good beginning in learning to speak German. German is used as much as possible from the very beginning, and increasingly so as the work advances; courses 6, 8, 9, 10, 11, and 12 are conducted in German. In planning their work, students are advised to take advantage of the arrangement of certain courses in alternate years. Students of any class may take any courses for which, in the judgment of the instructor, they are fitted.

1. *Beginning German*

Essentials of Phonetics. Drill in pronunciation and in comprehending the spoken language; in the formation of a vocabulary; in the inflection of nouns, adjectives, and verbs. Memorizing of idioms and poems. Dictation. A German reader begun.

First semester; three hours a week.

2. *Beginning German*

The drill of the first semester continued. Review. Study of synonyms and of word formation. A German reader completed. Retroversion. Conversation and free reproduction based on text read.

Second semester; three hours a week.

3, 4. *Intermediate German*

Rapid review of grammar. Reading of short stories, a one-act play, biography, and a text employing the spoken language. A part of the reading is done at sight. Great stress is laid on a fluent and

intelligent reading of the text. Retroversion, conversation, free reproduction, and composition based on the texts read. Dictation. Memorizing of idioms and poems. Study of synonyms and of word formation. Grammar drill. Assigned outside reading in short stories.

First and second semesters; three hours a week. Open to those who have had Courses 1 and 2, or two years of German in preparatory school.

5. *German Literature of the 19th Century. Practice in Writing German*

Heine's prose and poetry and the short stories of Gottfried Keller are studied the present year. Bernhardt's "Deutsche Literaturgeschichte" is read at sight, to familiarize the student with the vocabulary and style of criticism, as a preparation for taking notes on lectures in German. Rapid reading outside the class room is assigned. Composition and short themes in German.

First semester; three hours a week. Open to those who have had Courses 3 and 4 or their equivalent.

6. *The Classic Period*

Detailed study of two of Lessing's masterpieces and two of Schiller's, with some attention to the literary, social, and political aspects of the time and the relation of these authors and their works to the period. Each member of the course is assigned a drama of either Lessing or Schiller to be read outside the class. Reports on assigned topics.

Second semester; three hours a week. Open to those who have had Course 5.

7. *Scientific German*

A course for those who wish training in reading German works on Physics, Chemistry, Biology, etc., so that they may consult books of reference in German and make a practical use of the language in scientific research. There is assigned outside rapid reading.

Second semester; three hours a week. Open to those who have had two years of German.

8. *Prose of Modern Historians and Critics*

Rapid reading of selections from history, political writings, and criticism. The object of the course is to acquaint the student

particularly with the historical and critical vocabulary and style, so that he may use German books readily in the study of history, philosophy, political science, literature, and art. There is assigned outside reading.

Second semester; three hours a week. Open to those who have had two years of German.

Courses 7 and 8 are given in alternate years. Course 7 will be given in 1910-11.

9. *German Composition and Conversation*

A course for advanced students who wish practice in speaking and writing. It gives training in the vocabulary and style necessary for the study of literature and literary criticism. The text-book used is supplemented by themes in German. The course is intended especially for those who look forward to teaching German.

First semester; one hour a week. Open to those who have had Courses 5 and 6 or their equivalent.

10. *Goethe's Life and Works*

Dichtung und Wahrheit (selections), Götz von Berlichingen, Egmont, Iphigenie, Torquato Tasso, Hermann und Dorothea, Faust, and the poems are read. Lectures in German discuss the different phases of Goethe's life and his relation to his time. A large amount of outside reading is required in some of Goethe's works not read in class. Reports on assigned topics.

First semester; three hours a week. Open to those who have had Courses 5 and 6. (Given in 1910-11.)

11. *The Modern German Drama*

Selections from the dramatic masterpieces of Kleist, Grillparzer, Hebbel, Hauptmann, and Sudermann are studied and discussed in class. Lectures in German trace the development of the drama in the 19th century. A large amount of outside reading is required.

First semester; three hours a week. Open to those who have had Courses 5 and 6 or their equivalent.

12. *A General View of German Literature*

The course is designed to give a comprehensive knowledge of the great men and the leading ideas in German literature from the Middle Ages to the present. The work is based on the study of a

manual, supplemented by lectures and parallel readings. A large amount of outside reading is required. The course is designed especially for those intending to teach German.

First semester; three hours a week. Open to those who have had Courses 5 and 6 or their equivalent.

Courses 10, 11, and 12 are given in successive years. Course 11 will be given in 1911-12. Course 12 will be given in 1912-13.

13. *The Teaching of German*

A course for prospective teachers in secondary schools. The class work consists of the discussion of such subjects as the purpose of modern language study, methods of instruction, elements of phonetics, relative importance of the various topics (such as pronunciation, syntax, reading, composition, etc.), text-books, the use of Realien, a teacher's library. There is practice in conversation and collateral reading. A thesis by each member of the course takes the place of the final examination.

Second semester; one hour a week. Open to Juniors and Seniors. Assistant Professor Skillings.

VII. GREEK

Professor Burrage

The work in Greek is planned to meet the needs of three classes of students: those who simply desire to read widely in the literature, those who plan to teach Greek, and those who, with no knowledge of the language, wish to acquire a systematic and comprehensive knowledge of Greek life and thought. Students who have not studied Greek before entering College may take Beginners' Greek (12, 13), and after two semesters in that course continue the study with those who offer Greek for entrance.

The general student, as well as the future teacher of Greek, needs an extensive and fairly intimate

acquaintance with the literature; and this consideration has influenced the choice of the authors to be read. In the four years of work as outlined below, opportunity is given to read the masterpieces of history, drama, oratory, and philosophy. In Junior or Senior year a special course in methods of teaching is offered, and opportunity is given for the practical application and testing of the principles discussed in the class-room.

For those who know no Greek, the courses in Greek Life and Greek Thought are planned. Here the various ideals of the Greeks, as we find them embodied in their customs, institutions, art, and literature, are fully treated, and constant comparison is made between them and the ideals of our own day. In this way the student may acquire an accurate conception of the great part which the Greeks have played, and still are playing, in the life of mankind.

1. *Colson's Reader; Herodotus (selections)*

In connection with the *Reader* and *Herodotus* there will be frequent exercises in composition, and a thorough review of forms and syntax.

First semester; three hours a week. A Freshman elective course.

2. *Homer*

The *Odyssey*. Those parts of the epic that are of most vital interest are carefully translated and studied. The ethical import is carefully kept in view, and the conditions of the life described in the poem are illustrated by a consideration of archaeological discoveries. Facility in reading is promoted by frequent exercises in sight translation.

Second semester; three hours a week. A Freshman elective course.

3. *Selections from the Lyric Poets; Euripides, Iphigenia among the Taurians*

An introduction to other forms of poetry than the epic, and to other kinds of meter than the dactylic hexameter. The development in poetical form from Homer to Euripides is traced. Among the authors from whom extracts are made are Archilochus, Alcaeus, Sappho, Anacreon, Simonides, and Bacchylides. In connection with the *Iphigenia among the Taurians* of Euripides, lectures are given on the origin, history, and purpose of the drama.

First semester; three hours a week. A Sophomore elective course.

4. *Plato and Xenophon*

Apology, *Crito*, selections from the *Phaedo*, of Plato; the *Memorabilia* of Xenophon. A study in the life, character, and opinions of Socrates, as he is portrayed by his two friends and disciples. Elementary statement of a few of the problems of philosophy that Socrates raised and tried to deal with. Discussion of the position occupied by Socrates and Plato in the world of philosophy.

Second semester; three hours a week. A Sophomore elective course.

5. *Sophocles and Aeschylus*

The *Oedipus Tyrannus* and *Electra* of Sophocles; the *Prometheus* and *Persians* of Aeschylus.

6. *Aeschylus, Euripides, and Aristophanes*

Selections from the *Oresteia* of Aeschylus; the *Medea* of Euripides; the *Frogs* of Aristophanes.

These two courses constitute between them a year's work, and give the student a tolerably complete idea of the four great dramatists of Athens. They lay a good foundation for courses in the modern drama or in ethics. The external changes in the drama are carefully noted, and the growth of religious concepts is traced. The remaining plays of the authors mentioned above are read by the student in translation, and reports are required on the more important ones.

First and second semesters, three hours a week. A Junior-Senior elective course, alternating with 7, 8. (To be given in 1912-13.)

7. *Plato*

The *Republic*

8. *Aristotle*

Ethics, Books I.-IV., and X.

These two courses form a year's work, and afford students of Philosophy and Ethics a chance to read in the original tongue the two masterpieces of the two greatest minds of antiquity. The charm of the *Republic* as literature will receive special emphasis, and the selections will include all the passages of startling originality.

First and second semesters; three hours a week. A Junior-Senior elective course, alternating with 5, 6.

9. *Greek Thought and Literary Expression*

Greek in translation. This course alternates with the course in *Greek Life*, and requires no knowledge of the Greek language. Extracts illustrative of the excellences of the principal Greek writers are read before the class by the instructor and criticised, and the student is expected to supplement this by extensive reading on his own part. The course and development of the Greek literature is systematically traced in lectures. Frequent tests are given to determine the progress of the class. The course will be given first in 1910-11, and will be confined to the writers of poetry.

Second semester; three hours a week. A Junior-Senior elective course. (To be given in 1912-13.)

10. *Greek Life*

Lectures, stereopticon talks, outside reading. For this course no knowledge of Greek is necessary. The instruction is given by means of lectures, supplemented by extensive reading on the student's part. Written tests come every two weeks. The department possesses many slides, illustrative of every phase of Greek civilization, and the library contains the more important works on archaeology. The course includes such topics as architecture, dress, education, art, and social, political, and religious ideals.

Second semester; three hours a week. A Junior-Senior elective course.

11. *Xenophon and Homer*

The *Anabasis* of Xenophon; the *Iliad* of Homer. This course is intended for students who plan to teach Greek in secondary schools. Familiarity with the style of Xenophon and Homer is promoted by copious reading. Careful distinction is made between the essentials and the non-essentials of the language, and an attempt is made to construct such a teaching-scheme as will both save the pupil's time and maintain his interest. The leading text-books are compared and criticised. Methods of teaching vocabulary, grammar, reading at sight, and translation are discussed.

First semester; three hours a week. An elective course open to all who have pursued Greek two years in College.

12, 13. *Beginners' Greek*

A course for those who have never studied Greek, yet wish to take Greek in College. During the first semester the elements of the language are acquired from some one of the First Greek Books. In the second semester, portions of the first four books of the *Anabasis* are read, together with easy selections of more general interest. The course must be continued through the two terms, and should fit the student to take up the regular Freshman Greek the following year.

First and second semesters; three hours a week. Elective for any class.

VIII. HISTORY

Professor Howard

Assistant Professor Wetherell

Mr. White

It is assumed that students entering College have had thorough preparation in the outlines of Ancient, English, and American History. Starting on this basis, the courses offered by the department are progressive. It is therefore always desirable, and

sometimes necessary, that students who intend to take the more advanced work should begin with the elementary.

Before graduation, candidates for the degree of A.B. must have taken a consecutive year in History, either 1 and 2, or 3 and 4. This regulation applies first to the Class of 1913. Course 1 is required of all students taking the Pedagogical Course. Courses 1 and 2 cover periods of peculiar importance; they are considered fundamental to all later work in history, and are also valuable in preparation for many courses in other departments. Courses 3 and 4 are for students desiring general historical knowledge. Courses 5 and 6 are designed as an introduction to Political Science; they are therefore somewhat technical, but are of value to the general student who desires to understand American government.

Courses similar to 7 and 8 will be given each year. A limited period or phase of American History for the first semester, and of European History for the second semester, will be selected for intensive study. Students who have not taken the preliminary courses should consult with the instructor before electing any of this work.

Courses 9 and 10 may be taken with profit by the general student, but are primarily designed for those intending to teach: 9 is a consideration of the principles and problems of high-school history teaching, with applications to selected periods of European or American History; 10 is a review, from the teacher's standpoint, of the period most generally taught in preparatory schools.

In 1910–11, Courses 1, 2, 3, 4, 7, and 8 were given by Mr. King. Course 7 dealt with the Reconstruc-

tion of the Southern States, 1865–1877; Course 8 with the Foundation of the German Empire.

1. *Mediaeval European History*

Outline of Western Europe from the fall of the Western Roman Empire to the beginning of the sixteenth century. Courses 1 and 2 cover periods of peculiar importance. They are considered fundamental to all later work in history, and are also valuable in preparation for many courses in other departments. They will be made as broad as time allows.

First semester; three hours a week. Elective for Freshmen in the Classical and Scientific Courses; required in the Pedagogical Course. Assistant Professor Wetherell.

2. *Modern European History*

A continuation of 1 from the beginning of the sixteenth century to the present time. This course should lead to a good understanding of the problems of present-day Europe. The part taken by England in Modern History will be made prominent, and connections with American History will frequently be pointed out.

Second semester; three hours a week. Elective for Freshmen. Assistant Professor Wetherell.

3. *American Colonial History to* 1783

A liberal study of the planting and development of the various English colonies in America. All phases of colonial life are included. This study is preceded by a consideration of the European conditions which led to the discovery of America, together with a brief account of explorations by the principal European nations, and is followed by a rapid survey of the American Revolution. A good background of European — especially English— History is very desirable.

First semester; three hours a week. Elective for Sophomores and Juniors. Assistant Professor Wetherell.

4. *American History from* 1783

A continuation of 3, tracing the general development of the United States during the Confederation and national periods. Similar to Course 5 offered to Juniors in 1909-10, but with less emphasis on political events and more on questions industrial, social, etc. Documentary and other source materials are freely used.

Second semester; three hours a week. Elective for Sophomores and Juniors. Assistant Professor Wetherell.

5. *Constitutional History of England*

Starting with an analysis of the Anglo-Saxon system of government, the course traces the development of all the more important features of the British Constitution, laying emphasis on those principles which are the basis of law in both England and America. All the great English liberty documents—Henry I.'s Charter, Magna Charta, Petition of Right, Habeas Corpus Act, Bill of Rights, etc.—are read and discussed. This course leads to 6, which is continuous with it, and which should be elected during the same year. Together they form an historical explanation of the system of government and law under which the American of to-day lives. A good knowledge of general English History—as much as may be gained in Courses 1 and 2—is taken for granted.

First semester; three hours a week. Elective for Sophomores and Juniors. Assistant Professor Wetherell.

6. *Constitutional History of the United States*

After a brief survey of the English colonial system in the first half of the eighteenth century and a consideration of the American colonists as Englishmen possessed of the system of government and law whose growth is traced in 5, the course includes a study of the typical forms of colonial government; the demands of the colonists as English subjects; the attitude of the British government; the growth of the spirit of rebellion and independence; the attempts at colonial union before and during the Revolution; the "critical period" and the struggle for a stronger national government; the framing and adoption of the United States Constitution; and the main facts concerning our later constitutional development to date illustrated by readings from the leading decisions of the Supreme Court. A detailed study of the text of the national Constitution and the reading of other important documents are features. A good preliminary knowledge of general events in American History is necessary.

Second semester; three hours a week. Elective for Sophomores and Juniors. Assistant Professor Wetherell.

7. *The Expansion of the American People*

An advanced consideration of a phase of American History for students well acquainted with the general subject. Geography

and History are closely correlated. The semester's work includes studies of the physical geography and primitive condition of America; European Colonization as influenced by natural conditions; the shifting of the frontier from the Atlantic toward the West, with reasons for particular variations; effects of the struggle with New World conditions on the European settlers' ideas and institutions; successive stages of life left by advancing frontiers; stranded and isolated frontiers; acquisitions of territory; geographic areas and sectionalism; local and national problems growing out of expansion; and, in general, the moulding effects on the nation's life of the conquest of a Continent.

First semester; three hours a week. Elective for Juniors and Seniors. Assistant Professor Wetherell.

8. *A Period in European History*

A course for intensive study similar to that of 7; the period will be announced later.

Second semester; three hours a week. Elective for Juniors and Seniors. Assistant Professor Wetherell.

9. *The Teaching of History*

Some of the topics treated are the nature and essential elements of history; relations of history to other subjects; forms in which historical materials are found, with methods of criticising and using sources in history writing; personal values of the study of history; the general preparation of the teacher and the place of methods; bibliography of standard authorities in European and American history; working school libraries; source-books; text-book criticism; elementary and advanced phases of history teaching, and the organization of historical knowledge, involving tests of comparative values. The course is planned not only to give the prospective teacher a broader knowledge of the history instructor's problems, but also to introduce him to the literature of his subject, both text and professional.

First semester; three hours a week. Elective for Juniors and Seniors. Assistant Professor Wetherell.

10. *Ancient History*

A survey of the development of ancient civilization, with especial emphasis on the history of Greece and Rome. Much attention will be paid to the use of sources, as being of extreme importance

in supplying the proper view-point and stimulus, especially to those who are to teach the Ancient History required in high schools.

Second semester; three hours a week. Elective for Juniors and Seniors. Mr. White.

11. *English Thought in the Nineteenth Century*

A study of the progress of English life in politics and government, in economics and sociology, and in religious conviction and practice; the extension of the franchise; the Chartist agitation; the Tractarian movement; scientific investigation and discovery.

First semester; three hours a week. Required of Seniors. Professor Howard.

IX. LATIN

Professor Sanford

Mr. White

A student intending to pursue the study of Latin in his college course should have been so well drilled in vocabulary, in syntax, and in the general laws of composition as to appreciate the history, the biography, the comedy or tragedy, or whatever the literary form in which the Latin text may be cast, without the hindrance of grammatical prodding and of sentence analysis. But this ideal ability in handling the language has not usually been reached by all of the candidates for the Freshman class, and it is found necessary at stated times, during the first year of the course, to review general grammatical principles, and to write prose composition after paragraphs taken from the authors daily translated in the classroom. These authors for the first year will be Livy and Cicero, two acknowledged masters of their vernacular.

In the second year, with the reading of the text, the student makes an investigation into the religious, political, and social life of the Roman people as pictured in Tacitus and in Horace. In the former there are interesting questions in ethnology and inheritance of custom to be solved; in the study of the latter a thorough search among our own poets is made in order to determine the influence of the great lyrist upon his successors of the later days.

In the work of the last two years there are studies in topography, antiquities, and art; in advanced prose composition for those intending to teach the subject; in rapid reading; in the drama; in the lyrics, developing into mediaeval poetry and the hymns of the early Church; in letters, and in philosophy. Courses for those intending to teach, in which live questions belonging to the Latin classroom of seminary and high school are under continual discussion, are offered in the Senior and Junior years.

1. *Livy*

For formal translation such chapters of Livy, Books XXI.–XXXIX., are selected as to constitute a fairly comprehensive story of the second Carthaginian war from its beginnings to the defeat at Zama. Library readings on the characteristics of Roman and Carthaginian, the nature of the struggle, and the importance of the results of the war are assigned. Written tests in sight reading are from Livy and other historians. The method of question and answer in Latin gives the student a direct knowledge of simple form and syntax. During the semester there are required about twenty prose exercises based upon the text translated. These exercises include a thorough review of the more elementary principles of Latin writing, much practice in the handling of verb forms, and a study of the development and use of cases.

First semester; three hours a week. Required for A.B. Freshmen. Mr. White.

2. *Cicero*

Selections from the *Letters*. In order to promote correctness in translation and fluency of rendering the Latin period, several written tests in sight translation are given, in which the papers presented are commented upon by the instructors in both the English and the Latin departments. The historical outline takes up the story at the time of the struggle between Republic and Empire and runs contemporaneously with the fortunes of Caesar and Cicero as written in the *Letters*. In order to further familiarize the student with the language as living and in action, part of the recitation work will be conducted in Latin. Weekly exercises in prose deal largely with the subject of the development, history, and use of mood.

Second semester; three hours a week. Required for A.B. Freshmen. Mr. White.

3. *Tacitus*

The *Germania* and *Agricola*. Comparison of the style of Tacitus with that of other writers of his time. A study of the Roman colonial system. Outline of the history of the later Empire, with brief investigation into the subject of the influence of Rome on the northern tribes and, incidentally, our own inheritance of law and custom from them. Library reading and the study of photographs of Roman remains in Germany and England.

First semester; three hours a week. Elective for Sophomores who have had 1 and 2. Professor Sanford.

4. *Horace*

Selected *Odes* and *Epodes*. By comparison of the odes with lyrics in Latin and other languages the class attempts to estimate the place of Horace among the poets. The debt of English poetry to Horace is continually referred to, and borrowed or suggested phrases, imitations, and translations in our own lyrics are daily sought in illustration. Very careful preparation of note-books is required.

Second semester; three hours a week. Elective for Sophomores who have had 1 and 2. Professor Sanford.

5. *Roman Comedy*

The translation of the *Captivi* of Plautus, and the *Andria* of Terence, with rapid examination of other comedies.

First semester; three hours a week. Elective for Seniors and Juniors. Professor Sanford.

6. *A Study in Latin Lyrics*

Fragments preserved from the early writers are quoted to point out the beginnings of poetry. Selections from Catullus, Horace, Vergil, Ovid, Tibullus, Propertius, and others are read to show the Latin lyric in its perfection. A few poems of the Silver age are given to indicate the changes of form and style to mediaeval and monkish rhymes. The hymnology of the early Church.

First semester; three hours a week. Elective for Seniors and Juniors. Professor Sanford.

7. *Pliny*

Selections from the *Letters*. The course is intended to give practice in rapid reading. Comparison of the *Letters* with the correspondence of Cicero and others. Lectures on the book making and letter writing of the Romans.

Second semester; three hours a week. Elective for Seniors and Juniors. (To be given in 1912-13.) Professor Sanford.

8. *Roman Oratory*

The history of Roman oratory and the preparation of the Roman orator for his profession, as derived from a study of Cicero's *Brutus* and Quintilian's *Institutions X*. Of particular interest to those who intend to teach Cicero's orations in the secondary schools, as well as historically instructive to students of oratory and public speaking.

First semester; three hours a week. Elective for Seniors and Juniors. Mr. White.

9. *A Study in Roman Philosophy*

Readings from the *Tusculan Disputations* of Cicero, *De Rerum Natura* of Lucretius, with extracts from Seneca, Marcus Aurelius, and Boethius.

Second semester; three hours a week. Elective for Seniors and Juniors. (To be given in 1912-13.) Professor Sanford.

10. *Roman Archaeology*

Lectures on the topography of Italy, and the buildings and statuary of Ancient Rome. Readings on various topics from Middleton,

Lanciani, Jordan, Parker, Burn, Schreiber, Platner, and the journals are required, with careful preparation of note-books. Photographs, Canina, Piranesi, and Niccolini plates, and stereopticon views. (The course is intended as a background for the study of advanced Latin, and should be elected by all those intending to pursue the subject further.)

First semester; three hours a week. Elective for Seniors and Juniors. (To be given in 1912-13.) Professor Sanford.

11. *Advanced Latin Prose*

An investigation of vocabularies found in prominent Latin authors of both prose and poetry; a comparison of the periodic sentence with the loose structure of the English; examination of the diction of the authors used in the preparatory work; the writing of detached sentences and of connected discourse.

First semester; three hours a week. Elective for Seniors and Juniors. Professor Sanford.

12. *The Teaching of Preparatory Latin*

A study of methods and authors used; the relative value of vocabularies, grammatical drill, and sight reading; examination of text-books; Caesar and the substitute authors; the incidental study of the Latin element in English speech with rapid examination of the vocabularies of Milton, Shakespeare, and others; Grimm's law; alternate drifts toward the Latin and toward the Saxon forms; colloquia; tests; the necessity of making Latin a live language; quality versus quantity; literary appreciation.

Second semester; three hours a week. Elective for Seniors and Juniors. Professor Sanford.

13. *Vergil*

The reading of selections from the Aeneid, the Eclogues, and the Georgics, a study in literature rather than syntax; Vergil's personality and peculiar fame; his place among the world's poets; the debt of our own literature to the Aeneid.

Second semester; three hours a week. Elective for Seniors and Juniors. Professor Sanford.

14. *Outlines of Ancient and Mediaeval Art*

The buildings, the statuary, and the painting of the Egyptians, the Assyrians and Babylonians, the Greeks, and the Romans;

the mission of the Greek to the later nations in art; the skilful adaptation of the Romans from the models of all the previous schools; the development of early and mediaeval Italian art; Michael Angelo; Raphael. Illustrated by stereopicon and reflectoscope.

Second semester; three hours a week. Elective for Seniors and Juniors. Professor Sanford.

15. *Outlines of Latin Literature*

A review of all of the authors from Ennius to Boethius; reading of translations; an attempt to form an estimate of the place and value of the literature as a whole, and the tendencies toward appreciation and depreciation at the present time; the passing of the Latin into the Italian, the French, and the other Romance languages; the jingles and the rhymes of the monks; attempts to revive the vernacular.

First semester; three hours a week. Elective for Seniors and Juniors. (To be given in 1912-13.) Professor Sanford.

X. MATHEMATICS

Professor Bryant

Assistant Professor Swett

Assistant Professor McFarland

The courses in Mathematics are conducted with the design of imparting the discipline for which mathematical studies have been celebrated since the earliest times, and with a further view to conduct the student through the branches fundamental to Engineering and technical studies. For the latter purpose the course in Mechanical Drawing and Descriptive Geometry has been introduced, and more practice is allowed in Field Surveying than formerly, the course extending through an entire year. Since these classes are small, being composed

of students who desire to secure advance credits in engineering schools, much actual training in drafting and the field use of instruments is possible. Arrangements have been effected with several of the leading technical institutions whereby graduates who have had these courses will be admitted to the Junior classes of such schools without examination, thus combining a thorough college education with technical training of the highest grade. It is believed that such men will be better equipped for their profession than those who have not the advantage of a general College course.

1. *Solid Geometry*

Books VI, VII, VIII, and IX. Durell's Solid Geometry. Lines, planes, and angles in space; polyhedrons; cylinders and cones; the sphere and spherical triangles. The solution of numerous original exercises, including loci problems. Application to the mensuration of surfaces and solids.

First semester; three hours a week. Required of all Freshmen, except in the Pedagogical Course. Assistant Professor McFarland.

2. *Algebra*

Convergency and divergency of series; undetermined coefficients; binomial theorem; logarithms; permutations and combinations; probability; determinants.

Second semester; three hours a week. Required of all Freshmen, except in the Pedagogical Course. Assistant Professor McFarland.

3. *Plane and Spherical Trigonometry*

Trigonometric functions of angles in general; proofs of the principal formulas with examples on trigonometric transformations; inverse trigonometric functions; logarithms, their properties and applications; solution of right and oblique triangles; solution of right and oblique spherical triangles; applications of spherical trigonometry.

First semester; three hours a week. Required of B.S. Sophomores; elective for A.B. Sophomores. Assistant Professor Swett.

4. *Plane and Solid Analytic Geometry*

Loci and their equations; transformation of coördinates; discussion of equations of the straight line, circle, parabola, ellipse, and hyperbola; the elements of solid analytic geometry, including a study of the point, the plane, and simple surfaces of revolution.

Second semester; three hours a week. Required for B.S. Sophomores; elective for A.B. Sophomores who have completed 3. Assistant Professor Swett.

5. *Differential Calculus*

Differentiation of functions; differentials and infinitesimals; series; expansion of functions; indeterminate forms; maxima and minima of functions of one independent variable; partial differentiation; maxima and minima of functions of two or more variables; direction of curves; tangents and normals; direction of curvature; points of inflexion; curvature; radius of curvature; evolute and involute.

First semester; three hours a week. Elective for students who have completed 4. Assistant Professor Swett.

6. *Integral Calculus*

Integration of standard forms; integration of rational fractions; special methods of integration; definite integrals; application of integrations to plane curves and certain volumes; multiple integration, with applications to the surface, volume, and moment of inertia of any solid; also to center of gravity, pressure of fluids, and force of attraction.

Second semester; three hours a week. Elective for students who have completed 5. Assistant Professor Swett.

7, 8. *Surveying and Plotting*

This course emphasizes field work, actual practice with the various surveying instruments, work in the drawing-room, including the computations which arise in the work of the surveyor, also the making of scale drawings, profiles, and contour maps from notes taken by the students in the field. The use of the chain, tape, compass, and transit is taught during the first semester, followed by the various forms of leveling instruments during the second semester.

First and second semesters; three periods a week. Elective for students who have completed 3. Fee for instruments, $1 a semester. Assistant Professor Swett.

9. *Mechanical Drawing*

Drawing instruments and their use; mechanical drawing from objects; geometrical problems; lettering, dimensioning, tinting, tracing, and the making of blue prints; orthographic projection; intersection and development of surfaces.

First semester; three two-hour periods a week. Elective for students who have completed 4. Instruments furnished; fee, $1. Assistant Professor Swett.

10. *Descriptive Geometry*

Representation of the point, line, and plane with problems relating to them; representation of plane surfaces, single curved surfaces, and surfaces of revolution; intersection of surfaces by lines, by planes, and by other surfaces; development of surfaces. A course particularly for those students intending to obtain advanced standing in some school of engineering.

Second semester; three two-hour periods a week. Elective for students who have completed 9. Instruments furnished; fee, $1. Assistant Professor Swett.

11. *Astronomy*

The celestial sphere; astronomical instruments; determination of latitude, longitude, and time; the earth as an astronomical body; the moon's motions and physical characteristics; the sun's physical characteristics; revelations of the spectroscope; eclipses; planets; comets; stars and nebulae.

Second semester; three periods a week. Elective for Juniors and Seniors. Professor Bryant.

PEDAGOGY

Professor Collins

Assistant Professor McFarland

The work of the Department of Pedagogy has been planned to meet the needs of three classes of students: those who wish to become teachers, men who wish to

become supervisors, and students whose interest is in the cultural or civic aspects of education.

Students of the last named group, whose interest is incidental, should limit themselves to the courses in educational psychology and educational history. Students who wish to fit themselves for teaching or supervising should elect the Pedagogical Course, as outlined on pages 35 to 39. This course leads to the degree of Bachelor of Arts and allows a student to take throughout his four collegiate years certain studies which furnish definite professional training for his future career, without entailing a sacrifice of the opportunities for that broad and liberal culture which the College affords.

A further degree of specialization is provided for by the co-operation of other departments in offering courses helpful to prospective teachers. These departmental courses are:

Greek Thought and Literary Expression: Course 9.

Greek Life: Course 10.

Methods in the Teaching of Preparatory Greek: Course 11.

Methods in the Teaching of Preparatory Latin: Course 12.

Outlines of Ancient and Mediaeval Art: Course 14.

Methods in the Teaching of English: Course 12.

Methods in the Teaching of German: Course 13.

Methods in the Teaching of French: Course 11.

Modern European History (propaedeutic to the History of Education): Course 2.

American Colonial History (propaedeutic to American Educational History): Course 3.

Methods in the Teaching of History: Courses 9 and 10.

Through the election of one or more of these departmental courses, in connection with their

pedagogical work, students may become especially qualified to teach those branches in which they have the deepest interest.

The courses offered in the Department of Pedagogy cover the history of education, the fundamental principles of studying and teaching, the teacher's technical equipment, and observation and practice teaching in secondary schools.

It is expected that the opportunities for practice teaching described under Courses 8 and 9 will be available for students in the Pedagogical Course, in their Senior year. Such practice will be limited, however, to students who elect the full Pedagogical Course.

1. *Educational Psychology*

Ways of studying mental phenomena; the nervous system and its functions; the dawning of conscious life in a child; the development of senses and their part in education; types of normal psychophysical activity; the steps in mental development; the period of adolescence; special functional studies; the psychological basis of method; how to study and how to teach; formulation of essential principles.

Second semester; three hours a week. Required of Freshmen in the Pedagogical Course; elective for A.B. and B.S. Sophomores, Juniors, and Seniors. Professor Collins.

2. *History of Education in Europe*

Educational views and customs in ancient, mediaeval, and modern times. Education in the Homeric period; school life in old Greece; the new Greek education; early Roman education; Graeco-Roman schools and schoolmasters; the training of the early Christians, the decline of classical learning and the rise of church control; the schools of the monasteries; scholasticism; the Universities of the Middle Ages; mediaeval student life; the educational significance of the Renaissance and the Reformation; the genesis of modern educational ideas and ideals. Text-books, Monroe, *Brief History of Education;* Painter, *Great Pedagogical Essays.*

First semester; three hours a week. Required of Sophomores in the Pedagogical Course; elective for A.B. and B.S. Sophomores, Juniors, and Seniors. Professor Collins.

3. *American Education*

Elements of American educational history. The evolution of the American school system, in its elementary, secondary, and collegiate features. These are traced from their colonial beginnings in transplanted European ideas, through their various modifications in colonial times, the Revolutionary era, and the period of national expansion and development.

Second semester; three hours a week. Required of Sophomores in the Pedagogical Course; elective for A.B. and B.S. Sophomores, Juniors, and Seniors. Professor Collins.

4, 5. *Secondary Education*

Professional training of secondary teachers through a study of the psychological and physical factors of secondary school work. Principles of education; special methods; organization and management; the curriculum; school hygiene; observation of high school work; types of secondary schools; the teaching staff; the day's work; discipline and control; local conditions and problems. Texts: De Garmo, *Principles of Secondary Education, I, II*, with J. F. Brown, *The American High School*, and Hollister, *High School Administration*, as supplementary.

First and second semesters; three hours a week. Required for Juniors in the Pedagogical Course; elective for A.B. and B.S. Juniors and Seniors. Assistant Professor McFarland.

6, 7. *Supervision*

The administration and supervision of public schools. The course is designed only for those intending to become supervisors or superintendents, and is open only to those who possess qualifications to undertake the work.

First and second semesters; three hours a week. Elective for Seniors in the Pedagogical Course. Professor Collins.

8, 9. *Practice Teaching*

Teaching in high school under supervision for one semester. The students of the Pedagogical Course will be divided for this purpose into two sections before the completion of 5. Students of Division

I will elect 8 as a three-hour course for the first semester and will receive teaching appointments accordingly, and students of Division II will elect 9 and receive similar appointments for the second semester. Observation will be prescribed at the discretion of the instructor, to precede, accompany, and follow the teaching appointments.

Three hours a week. Required of all Seniors in the Pedagogical Course. (Not given in 1911-12.) Assistant Professor McFarland.

XII. PHILOSOPHY

Assistant Professor Cunningham

The aim of the work in this department is at once critical and historical. The effort is made, in the first place, to acquaint the student with the more fundamental problems of the mental sciences, and to enable him to approach the solution of these problems in a scientific manner. The historical development of philosophic thought is also emphasized; the student is thus brought naturally into touch with the deeper metaphysical problems and is given a vantage-ground for appreciating their significance and bearings. To compass this two-fold aim the following courses of study have been arranged:

1. *Logic*

An introductory course in formal logic. Both the deductive and the inductive aspects of thought are considered. Nature and rules of the syllogism; moods; figures; fallacies of deductive reasoning; the problem and methods of induction; fallacies of induction; nature and laws of thought. Recitations.

Second semester; three hours a week. Required of all Sophomores.

2. *General Psychology*

Introductory study of the fundamental problems of normal psychology. The nature and methods of the science; elemental

conscious states; complex conscious processes. Required reading for study and discussion, supplemented by experiments. The results of experiments are to be carefully entered in note-books and reported to the instructor from time to time.

First semester; three hours a week. Required for Juniors in the Classical and Scientific Courses; elective for Juniors in the Pedagogical Course.

3. *Ethics*

Historical, critical, and practical. Study of the development of moral ideals and ethical principles; criticism of various ethical theories; application of fundamental moral principles to modern social and economic problems.

Second semester; three hours a week. Required for Juniors in the Classical and Scientific Courses; elective for Juniors in the Pedagogical Course.

4. *History of Philosophy and Ethics*

General survey of the development of ethical and philosophical conceptions from the sixth century B.C. to the beginning of Modern Philosophy. The course deals in some detail with the Greek period, attention being fixed primarily upon Socrates, Plato, and Aristotle. The period of the Middle Ages is passed over more rapidly, but enough time is devoted to it to enable the student to grasp the different tendencies of the period. Lectures and assigned reading.

First semester; three hours a week. Elective for Sophomores, Juniors, and Seniors.

5. *History of Philosophy and Ethics*

A continuation of 4. Study of Modern Philosophy from Descartes to Hegel. As time permits, post-Hegelian tendencies are indicated and the present status of ethical and philosophical inquiry outlined. Lectures and essays. In connection with the lectures, students are required to read selections from the works of the authors studied.

Second semester; three hours a week. Elective for Sophomores, Juniors, and Seniors.

6. *Kant*

This course is designed to acquaint the student with the significance of Kant's system for a theory of knowledge. A detailed

study of the Critique of Pure Reason will be undertaken. References to the Critique of Practical Reason and the Critique of Judgment will be made from time to time, so as to give the student a just appreciation of the system as a whole.

First semester; three hours a week. Elective for all students who have had 4 and 5. (To be given in 1912-13.)

7. *Studies in Contemporary Epistemology*

This course is designed to introduce the student to current discussions in logical theory. Such contemporary theories as Absolutism, Realism, and Pragmatism will be critically examined, the aim of the criticisms being constructive. The student will find 6 a valuable introduction to this course.

Second semester; three hours a week. Elective for students who have had 4 and 5. (To be given in 1912-13.)

8. *Systematic Ethics*

This course is devoted to a study of the principal types of ethical theory. The ethical writings of Kant, Bentham, Mill, Spencer, and Green will be critically examined. The aim of the course is the formulation of a satisfactory science of the ethical life.

First semester; three hours a week. Elective for Juniors and Seniors.

9. *Metaphysics*

Introductory course to the problems of philosophy. Designed to aid the student in appreciating the nature and bearings of metaphysical problems; to acquaint him with some of the answers that have been given to them; and to encourage in him a spirit of independent thought in the light of these answers. Lectures and parallel reading, with occasional summaries and essays.

Second semester; three hours a week. Elective for Juniors and Seniors.

10. *Studies in the Philosophy of Religion*

It is the aim of this course to study the development of religion and to work out its philosophical significance. The problem of the course will be concerning the ultimate basis and meaning of religion as an outgrowth of the development, and the expression of the life, of the human race. The attitude of various thinkers to this problem will also be investigated.

First semester; three hours a week. Open only to students who have had 4 and 5, or equivalents.

11. *Studies in Philosophical Theories of the State*

This course will be devoted to a consideration of the various theories of the State that have arisen in the course of the development of philosophical thought. On the basis of the study of these theories, the questions concerning the origin, nature, and ultimate significance of the State will be dealt with. Though this does not aim to be a course either in Political Science or in Sociology, it may offer the student a point of view from which economic and social problems can be attacked.

First semester; three hours a week. Open to students who have had 4 and 5. (To be given 1912-13.)

XIII. PHYSICS

Professor Bryant

The course in General Physics, extending through one college year, begins with a thorough discussion of the principles of statics and dynamics, which is followed by investigations of sound and light, the phenomena of heat, the laws of static and current electricity and of magnetism. The method combines recitations, lectures illustrated with class-room experiments, and the solution of numerous problems illustrating the principles discussed.

Advanced courses in Light and in Electricity and Magnetism are given during the first semester on alternate years, to meet the needs of those students who desire a more complete knowledge of these subjects than can be obtained from the course in General Physics.

The course in Laboratory Physics, continuing the subject through a second college year, enables the student to verify for himself by experiments in the physical laboratory the principles studied in the preceding course, and to acquire facility in the manipulation of apparatus and in the interpretation of results. A large part of the second half of this course is devoted to measurements in electricity.

A complete record of every experiment, giving the apparatus used, the measurements taken, and the results obtained, is required of every student taking the course. Frequent lectures and quizzes are introduced to insure a thorough understanding of the principles which underlie the different experiments.

1. *General Physics*

Fundamental principles of kinematics; simple harmonic motion; inertia; gravitation; work and energy; elasticity; properties of liquids and gases; waves; sound; theory of heat; calorimetry; transference of heat; thermal expansion; change of state; nature of heat.

First semester; three hours a week. Elective for Sophomores in the Classical Course; required for Freshmen in the Scientific Course and elective for Freshmen in the Pedagogical Course.

2. *General Physics*

A continuation of 1. Magnetism: the earth's magnetic field; magnetic induction; electrostatic induction, potential, and capacity; production of electric currents; electromotive force; electrical resistance; measurement of current; chemical, heating, and magnetic effects of the electric current. Light: reflection, refraction, interference, diffraction and polarization of light waves, and spectrum analysis.

Second semester; three hours a week. Elective for Sophomores in the Classical Course; required for Freshmen in the Scientific Course and elective for Freshmen in the Pedagogical Course.

3. *Light*

An advanced course, intended for those students who wish a more extended knowledge of this subject than can be obtained from the

course in General Physics. The laws of reflection and of refraction with their application to optical instruments; the wave theory of light; the spectrum and its teachings; the phenomena of radiation, absorption, dispersion, interference, and diffraction are some of the topics considered.

First semester; three hours a week. Elective for students who have completed 1 and 2.

4. *Electricity and Magnetism*

An advanced course covering more thoroughly many of the topics studied in the corresponding work in General Physics, together with some additional topics such as the discharge of electricity through gases, electrons, radio-activity, and wireless telegraphy.

First semester; three hours a week. Elective for students who have completed 1 and 2. (Given in 1910-11.)

5. *Physical Measurements*

Elementary theory and practice of physical manipulation. Laboratory work in the measurements of length, mass, time, velocity, linear and angular acceleration; the verification of the laws of equilibrium of forces; the determination of coefficients of elasticity; the density of solids, liquids, and gases; experiments in sound.

First semester; three periods a week. Elective for students who have completed 1 and 2. Laboratory fee, $5.

6. *Physical Measurements*

A continuation of 3. The student is expected to have acquired such facility in the manipulation of apparatus and such ability to grasp the laboratory method of ascertaining physical laws as will enable him to perform accurately and intelligently the more difficult experiments in heat, light, electricity, and magnetism. Measurements are made of thermal expansion, specific heat, latent heats of fusion and of evaporization. In electricity, fields of force, electric resistance, electromotive forces, and strengths of current are measured. The laws of reflection and refraction of light waves, the formation of images by mirrors and lenses are studied, and indices of refraction and lengths of light waves are measured.

Second semester; three periods a week. Elective for students who have completed 5. Laboratory fee, $5.

XIV. POLITICAL AND SOCIAL SCIENCE

PROFESSOR HOWARD
ASSISTANT PROFESSOR CRAFER
ASSISTANT PROFESSOR WHITE

The study of Political Science, including the science of Government, Economics, and Jurisprudence, appeals to three classes of students: those who pursue it for its essential part in a liberal education, those who would pay special attention to preparation for citizenship and business life, and those who desire foundational studies in Jurisprudence with a view to the subsequent study of Law. The studies here outlined, and those in the related Department of History, have been arranged with reference to the needs of each of these classes.

It will be noted that, in addition to the usual courses in Constitutional and International Law, provision is made for a year's study of Blackstone's Commentaries on the Common Law, and also for the study of Contracts and Commercial Law, Roman Law, and American Jurisprudence. Taken together, these subjects constitute the equivalent of a year's work in a law school, and arrangements have been made with leading law schools for the allowance of credit for them toward the work required for the degree of Bachelor of Laws.

1. *Political Institutions*

Elements of historical and practical politics. The philosophy and historic development of government. An examination of ancient and modern governments, designed to lay a foundation for the subsequent study of political science and law.

First semester; three hours a week. Elective for Juniors. Assistant Professor Crafer.

2. *Political Economy*

Production, exchange, distribution, and consumption. The general principles of economic science. Recitations, lectures, and discussions.

First semester; three hours a week. Elective for Seniors. Assistant Professor Crafer.

3. *Political Economy*

Study of present economic questions, such as money, bimetalism banking, taxation, labor, socialism, coöperation, the tariff and tariff history, transportation, trusts, etc. Recitations, lectures, and library work.

Second semester; three hours a week. Elective for Seniors. Assistant Professor Crafer.

4. *Economic and Financial History of the United States*

The following is a partial list of the subjects considered: economic status of the colonies; the Revolution and Confederation; commercial relations as affected by the European wars; the War of 1812 and its results; relation of the protective tariff policy to the manufacturing industries; the opening up of the West; government enterprise in relation to inland transportation; banking and currency experiences; the public land policy; expansion of commerce with foreign countries; growth and decline of the mercantile marine engaged in foreign trade; certain socio-economic topics such as slavery and immigration. Lectures, recitations, and readings.

Second semester; three hours a week. This course alternates with Course 3 and is open to students who have taken Course 2. Assistant Professor Crafer.

5. *Constitutional Law*

An advanced course in Constitutional Law. While this is primarily a professional course, yet the non-professional student will find both profit and mental training in following it. It deals largely with those fundamental principles of our organic law upon which rest the rights of life, liberty, and property.

First semester; three hours a week. Elective for Seniors. Professor Howard.

6. *International Law*

The history and general growth and development of International Law. General principles; study of treaties and celebrated cases; reading of diplomatic correspondence in international controversies; progress in international arbitration; modern usage in war on land and sea; discussion of new problems. Recitations and library work.

Second semester; three hours a week. Required of all Seniors. Professor Howard.

7, 8. *Elementary Law*

A study of Blackstone's Commentaries on the Common Law. The fundamental principles of the elementary law; definitions; selected topics most useful to the American student of law.

First and second semesters; three hours a week. Elective for Juniors. Assistant Professor Crafer.

9. *Contracts and Commercial Law*

A course largely professional on the essentials and structure of contracts and the nature and legal effect of bills, notes, and other commercial paper.

First and second semesters; three hours a week. Elective for Seniors. Assistant Professor Crafer.

10. *Roman Law*

An introduction to the science of Jurisprudence, designed to familiarize the student with its literature and terminology. Examination of the Institutes of Justinian.

Second semester; three hours a week. Alternating with 11. Elective for Juniors and Seniors. Professor Howard.

11. *American Jurisprudence*

Nature and authority of law; status; public and municipal corporations; private corporations; rights, duties, wrongs, and remedies; interpretation of law; courts; fictions and presumptions.

Second semester; three hours a week. Alternating with 10. Elective for Juniors and Seniors. (To be given in 1911.) Professor Howard.

12. *Sociology*

A study of race characteristics, heredity, environment, subjective and objective regeneration, education, pauperism, defectives and

degenerates, crime and its punishment, hospitals, almshouses, and prisons. Lectures and readings.

Second semester; three hours a week. Elective for Seniors. Assistant Professor Crafer.

13. *Charities and Corrections*

A study of poverty and crime, their causes, prevention, and cure; and the agencies, public and private, which deal with defectives dependents, and delinquents.

First semester; three hours a week. Elective for Junior and Senior women. Miss White.

14. *Rural Sociology*

A study of the rural elements of the population of the United States. It deals with the cityward drift, with the social, political, educational, and religious problems of rural life.

Second semester; three hours a week. Elective for Junior and Senior women. Miss White.

15. *General Sociology*

The theory of social activities and institutions. Historical and descriptive.

First semester; three hours a week. Elective for Senior women. Miss White.

16. *Applied Sociology*

A study of constructive programs of social adjustment according to sociological principles.

Second semester; three hours a week. Elective for Senior women. Miss White.

GENERAL INFORMATION

History of the College

Middlebury College was chartered in 1800, and its first class was graduated in 1802, at which time the first academic degrees conferred in Vermont were bestowed. Even before the granting of a charter collegiate work had been prosecuted in Middlebury, under the leadership of Rev. Jeremiah Atwater, Yale, 1793, the Principal of the Addison County Grammar School, who became the President of the College, having been recommended for the position by Dr. Dwight, then President of Yale University. A library of 494 volumes had already been carefully selected and presented to the College. For ten years all the work of the institution was conducted in a large frame building which it shared with the Addison County Grammar School, but in 1810 Col. Seth Storrs of Middlebury gave to the corporation thirty acres of land, "beautifully situated in an elevated part of the village," which now forms part of the College Campus. On this site the first building of the College was erected in 1814. It was called at first "West College," but in 1846 was named Painter Hall, in honor of Hon. Gamaliel Painter, one of the most generous patrons of the College and most useful citizens of the town, who had bequeathed all his property to the institution. It has been in continuous use since its erection and is the oldest college building in Vermont. The commodious and beautiful Chapel was erected in 1836, and is still the most commanding

object on the Campus and in the landscape of the village, and a useful and convenient administration and recitation building. Starr Hall, a large dormitory, was erected by the beneficence of Charles and Egbert Starr in 1861, and rebuilt in 1864, after a disastrous fire, by the same donors. These three graceful stone buildings, forming a College row typical of New England, give dignity and quiet beauty to one of the most beautiful College parks to be found in America.

The builders of Middlebury were men of deep religious faith and earnest moral purpose, and clergymen from the surrounding towns long exercised controlling influence in the corporation. The College has had a long and heroic struggle with poverty, but her doors have never been closed and she has furnished uninterruptedly to the youth of northern New England opportunities of thorough literary education and a vantage point of outlook upon the larger life of the world.

Middlebury's Record

During her first century Middlebury sent out 1,686 graduates; 543 of these were clergymen, including 71 missionaries. An exceptionally large proportion became teachers, of whom 106 were Professors in Colleges or Theological Seminaries; 32 College Presidents were sent forth by Middlebury from 1800 to 1900. She graduated in that time 400 lawyers, including over 50 judges of courts. Fifteen of her Alumni have been members of Congress, and nine Governors of States or Territories. It is Middlebury's boast that in proportion to her size and the means at her command no American College has made a nobler record.

The Village of Middlebury

A residential town of 2,000 people, on the Rutland Railroad, New York Central Lines, with through trains between New York and Boston and Montreal, Middlebury is an ideal location for a rural New England College. The foot-hills of the Green Mountains are a few miles distant. From the heights of the College Campus one sees many of the grander peaks of the Adirondacks. The Otter river flows through the town, and in its valley are many of the best farms of Vermont. Elms and maples line the village streets, and the houses betoken modest thrift and quiet taste. Water of unexcelled purity and quantity is brought from mountain springs, eight miles distant. Intoxicating liquors are not sold, and there are no trolley lines to neighboring cities. The College is the pride of the village, and many of the homes of the people are open to the students.

Middlebury's Specialty

The specialty of Middlebury is not a department of study but a type of student. The location of the College in a frugal agricultural region favors economy. For over a century she has sought out particularly the youth from the quiet homes of northern New England and surrounded them with encouragement to modest living while engaged in the pursuit of knowledge. By resolute endeavor College expenses have been kept low. Students who have to work their own way are especially encouraged, in the belief that such students furnish the most healthful tone to an institution of learning. Those who can afford more than Middlebury exacts are invited to consider the advantages to character which come from such an atmosphere in the formative period of life.

Individual Training

The Middlebury idea is that, since no two men are alike, each student needs the particular care and oversight of his instructors during his entire College course. With a small student body and an ample number of Professors such oversight is possible, and the unusual success of Middlebury's graduates is believed to be due to its maintenance.

Recent Progress

In the past few years the number of instructors has been nearly doubled and important courses have been added in every Department of Instruction.

In the departments fundamental to engineering, additional facilities have been provided, both in the introduction of new courses and the lengthening of old ones, and by the purchase of additional apparatus. A number of courses of graduate grade are included in each department, and provision has been made for a fifth college year, either immediately upon graduation or subsequently, leading to the degree of Master of Arts or Master of Science. Special attention is invited to the courses in Forestry, and also in Economic Geology, the latter with special reference to Vermont's large quarrying interests.

A Scientific Course has been initiated, and a Department of Pedagogy has been established by the State of Vermont, maintained by an annual appropriation of $6,000. In six years the number of students has doubled. Two new Professorships have been founded, and the resources of the College have been much increased. In addition to Pearsons Hall, to be completed the present year, $50,000 has been secured for the erection of a gymnasium. The College has received the endorsement of the General

Education Board, which has made a conditional grant of $50,000 towards a fund of $200,000, the larger part of which has already been pledged. Indications point to further substantial growth and increase of the facilities offered to students.

SUMMER SESSION

Professor Collins, Director

The Summer Sessions at Middlebury are the outgrowth of the establishment of a Department of Pedagogy by the State of Vermont in 1908, and a desire to make that department useful to Vermont teachers. The two sessions held thus far have been notably successful. The registration in 1910 was 95, including 35 teachers, of whom 23 were Vermont teachers in actual service. Teachers were also present from New Hampshire, Massachusetts, Connecticut, New York, New Jersey, and South Carolina.

The Summer Session of 1911 will be held July 5th to August 11th inclusive. The College libraries, laboratories, and halls of residence, including the new Pearsons Hall for women, will be open. Complete information as to courses will be contained in the February Bulletin, for which application should be made to the Director. It is expected that at least as many courses as in the previous years will be offered. They will be grouped in the following divisions:

A. College Extension Courses and Lectures.
B. Courses leading to the degrees of A.B. and B.S.
C. Courses leading to the degrees of A.M. and M.S.
D. College Preparatory Courses.

No examinations will be required for admission, and properly qualified students may pursue studies in any group or groups, even if it is not desired to count them for a degree. Credits are allowed in Divisions B, C, and D as follows: for each course in Division B, two credits toward the degree of A.B. or B.S.; for each course of Division C, two credits toward the degree of A.M. or M.S.; in Division D, entrance credits corresponding to work performed. Credit will not be allowed in more than three courses at a single session. No credits are given without final examinations. Entrance credits may be used for admission to other colleges.

The Summer Session makes its strongest appeal to the following classes of workers:

1. Teachers, especially high school teachers, principals, and superintendents, who wish intensive professional study, special study along some particular line, or preparation for advancement in supervisory work.

2. College and high school students who desire to anticipate courses, make up deficiencies, or broaden and supplement their regular College work.

3. Clergymen, Sunday School workers, and others, who wish to study social problems, educational conditions, and methods of improving institutional work, or who desire to pursue connected study in a particular line of investigation.

The registration fee will be $5, required from all; tuition $10, for one or more courses (free to Vermont teachers and clergymen). Residents of Addison County may be admitted to one or more courses, without registration fee, at $5 per course. In laboratory courses a small additional fee will be charged. Board and rooms may be had in the College buildings and in the village at $4.50 to $6 a week.

A list of the students in attendance upon the session of 1910 will be found on pages 127–129 of this catalogue. The following courses were given at the Summer Session of 1910:

1. School Administration. Assistant Professor McFarland.
2. Methods of Teaching. Assistant Professor McFarland.
3. Seminar in Education. Professor Collins.
4. History of Greek Philosophy. Assistant Professor Cunningham.
5. Seminar in Philosophy. Assistant Professor Cunningham.
6. Preparatory Greek. Professor Burrage.
7. Greek Life. Professor Burrage.
8. Vergil. Mr. White.
9. Shakespeare. Assistant Professor Cady.
10. Theme Writing. Assistant Professor Cady.
11. The Teaching of German. Assistant Professor Skillings.
12. German Prose. Assistant Professor Skillings.
13. The Teaching of History. Assistant Professor Wetherell.
14. Seminar in English History. Assistant Professor Wetherell.
15. College Algebra. Assistant Professor Swett.
16. Trigonometry. Assistant Professor Swett.
17. Physical Geography. Assistant Professor Brown.
18. Economic Geology of Vermont. Assistant Professor Brown.
19. Zoölogy. Assistant Professor Brown.
20. Library Training. Miss Clark.
21. Beginning French. Mr. Martin Bähler.
22. Preparatory French. Mr. Bähler.
23. Intermediate French. Mr. Bähler.
24. Preparatory Algebra. Mr. Garfield M. Weld.
25. Plane Geometry. Mr. Weld.
26. Physics. Mr. Weld.
27. Chemistry. Mr. Silas A. Lottridge.
28. The Bible as Literature. Dr. Charles E. Hesselgrave.
29. The Gospel of Matthew. Dr. Hesselgrave.

30. Drawing. Miss Anne M. Pierce.
31. Elements of Pottery. Miss Pierce.
32. Clay Modeling. Miss Pierce.
33. Metal Craft. Miss Pierce.
34. Manual Training. Mr. Martin H. Jackson.
35. Vocal Music. Mrs. Walter E. Howard.
36. Practical Cooking. Miss Caroline E. Alden.
37. Home Management. Miss Alden.

GRADUATE WORK

In the announcements of the Departments of Instruction will be found many courses which are suitable for graduate work. Particularly in connection with the Department of Pedagogy, a fifth year of college study may be recommended in preparation for teaching. Graduate students are welcome in all courses in which work is sufficiently advanced to count for a Master's degree, and whenever possible special direction will be afforded them.

The degrees of Master of Arts and Master of Science are offered for graduate work performed in the regular College year, at Summer Sessions, or *in absentia*, in accordance with the following regulations:

1. The candidate must have a baccalaureate degree from this College, or from one having an equivalent curriculum.

2. Non-resident students may register at any time during the year; resident students must register during the first week of either semester, or during the first week of the Summer Session. A renewal of all existing registrations must be made at the beginning of each College year.

3. At the time of registration, the candidate, after conference with the instructor or instructors interested, shall outline the work intended and the studies desired, and present such outline to the

Committee on Graduate Instruction for its approval. The courses selected should be well co-ordinated. They may be from one or several departments of the College and include such additional work as may be outlined by the instructors under whom work is desired.

4. To obtain the degree either of Master of Arts or of Master of Science, thirty credits, representing one year's resident work (September to June), will be necessary. Credits acquired in the graduate courses of the summer or Saturday sessions may be counted. The degrees may also be obtained *in absentia* with the limitation that in case of complete non-residence they will not be conferred before the third Commencement after registration.

5. Graduates of Middlebury College who have to their credit work done in undergraduate years, and not counted for a baccalaureate degree, may count such credits toward an advanced degree, provided, however, that the work is approved by the Committee on Graduate Instruction, and has been completed with a grade of at least 80 per cent.

6. No credits counted in conferring a first degree at Middlebury College, or elsewhere, shall be accepted for a second degree.

7. Work done *in absentia* must be completed within five years, unless this period is extended by vote of the Faculty.

8. All candidates must present themselves for a final examination and receive the degree in person.

9. Resident candidates will be charged regular tuition fees; non-resident candidates will be charged a registration fee of $10 annually. There is no additional fee either for examinations or for diploma.

EXAMINATIONS

Examinations in each subject are held at the close of each semester. If a student, for any cause whatever, has been absent from 10 per cent., or more, of the recitations of the semester, he will be required to take a preliminary examination before the time of the regular examination.

A student who fails to pass an examination at the close of the first semester, and is thereby conditioned, will be given an opportunity to take another examination on the first day after the Easter recess, on the last Saturday of the second semester, and on such one of the first three days of the college year as shall be determined by the Registrar. A student who is conditioned at the close of the second semester may take an examination on such one of the first three days of the college year as shall be determined by the Registrar, on the first day after the Christmas recess, and on the last Saturday of the first semester. No other opportunities for the removal of conditions will be given, except that a Senior may take examinations for deficiencies or conditions on the Saturday preceding Commencement and students attending the Summer Session at the close of the session.

Any student failing to make up any condition as provided for above will be required to repeat the subject with the following class, even though, from conflict of hours, or any other cause, it necessitates for him the temporary omission of some of the regular work of his class.

Any student who is obliged by the operation of the foregoing rule to repeat with the following class subjects amounting to one-half, or more, of the regular hours of the semester will be ranked as a member of that class.

A conditioned student who, because of the omission of the subject from the curriculum for the year, is prevented from repeating a study in which he is due shall, at the beginning of the second semester after his failure, elect another study in its place.

No student will be given Sophomore rank until he has made up his entrance conditions.

No student who is conditioned in more than one study will be excused from College exercises for the purpose of playing on an athletic team.

RECORD OF SCHOLARSHIP

At the close of a study, any student who desires it may receive from the Secretary of the Faculty a general statement of his rank in that study, based upon his term work and examination. If he has attained 90 per cent. or above, his rank is reported as A, or excellent; if between 80 and 90 per cent., as B, or good; if between 70 and 80 per cent., as C, or fair; if between 60 and 70 per cent., as D; if below 60 per cent., the student is conditioned in that study. These reports are also given to parents by the Registrar upon request.

HONORARY APPOINTMENTS

The Faculty, under the direction of the Corporation, give to the first third of each department of each class, on the basis of scholarship, honorary appointments for Commencement. The valedictory and salutatory appointments are of equal rank, the former being given to the leader among the men and the latter to the leader among the women. Those receiving honorary appointments for Commencement are eligible for election to the Phi Beta Kappa Society, provided that they have attained an average rank, for the entire course, of eighty-five per cent.

SPECIAL HONORS

To promote and encourage special investigation in the various departments of the curriculum, the

Faculty have established a system of honors. These are divided into two classes, Honors and Highest Honors, and are awarded on the following conditions:

1. The attainment of 80 per cent. for Honors, and 90 per cent. for Highest Honors, as an average rank in studies of the department in which the honors are sought.

2. The performance of at least 200 hours of satisfactory additional work assigned by the Professor, which must be of a superior quality for the attainment of Highest Honors.

3. The preliminary payment of $5 a semester when laboratory work is involved.

These honors will be printed on the Commencement program and in the next annual catalogue, and will be certified to, when requested, by a written certificate from the President and the Professor of the department, stating the nature and quality of the extra work done.

The degrees of A.B. and B.S. are conferred *cum laude* upon those who have attained an average rank, for the entire course, of 85 to 90 per cent.; *magna cum laude* if that rank is 90 to 95 per cent.; *summa cum laude* if it is 95 per cent. or above.

PRIZES

For the academic years 1909–10, 1910–11, and 1911–12, by gift for this specific purpose from a friend, prizes are offered in the Departments of History and Political Science for men, and in the Department of

English for women. The prizes are two in number in each class, the first $40, and the second $20; i.e., first and second prizes of $40 and $20 respectively, for men in History and Political Science, and the same amounts for women in English. These prizes are awarded at the close of the Junior year. For the Class of 1911, the work of the Junior year only was the basis of award; for the Class of 1912 the basis will be the work in Sophomore and Junior years, and for the Class of 1913 the work in all three years.

By bequest of the Rev. Thomas A. Merrill, D.D., the College received the sum of fifteen hundred dollars, the interest of which is applied annually "for the encouragement and improvement of elocution." Doctor Merrill, a graduate of Dartmouth College in the Class of 1801, was for fifty years a resident of Middlebury and for thirty-seven years a pastor of its Congregational Church. For the Merrill Prizes not less than eight nor more than twelve competitors are appointed from the Sophomore class in such manner as the Faculty shall deem expedient. There are four awards, the first $25, the second $20, the third $15, and the fourth $10.

The Parker prizes are given to two of the four competitors in the Freshman class who are judged the best speakers; the first prize is $20, the second $10.

In the Latin Department, recognition is made of excellence in the work of the second semester of the Sophomore year, including the preparation of a notebook exhibiting the debt of English poetry to Horace, by the presentation to the two successful competitors of reproductions of works of classic art, selected by the head of the department.

THE EGBERT STARR LIBRARY

The Library of Middlebury College is older than the institution itself. Before the granting of the charter the benevolent and progressive citizens of the town had collected some 500 well-chosen volumes for the use of students. Volumes bearing the autographs of some of the founders are still on the library shelves. In the early history of the College two flourishing student organizations, the Philomathesian and Philadelphian societies, founded libraries which were unusually extensive and valuable for the time, and many of their volumes are still among the treasures of the College. Great improvement in the Library was made during the administration of President Cyrus Hamlin (1880–1885), who removed the books from the chapel to the north division of Painter Hall, and opened all the shelves to the students.

The beautiful and convenient marble Library now occupied was erected with funds bequeathed by Mr. Egbert Starr, and dedicated during the Centennial Exercises of the College in July, 1900. The cost of the building was $50,000, to which was added $5,000 for its decoration and $5,000 for the purchase of books by the son of the donor, Dr. M. Allen Starr. The front of the building is entirely devoted to a large and convenient reference library, and the capacity of the stacks is 90,000 volumes. The entire Library now contains about 30,000 volumes and is a depository of government publications. The number of volumes added the past year was 1,392. Students are granted free access to all the shelves. The building is open continuously through the working hours of the day. The reference rooms contain a large number of reviews and magazines, and a read-

ing room with daily and weekly papers is maintained in the south division of Painter Hall.

During the past year the Library staff has been increased. The appropriation for Library purposes is now $3,500 a year, and several gifts of money for additions to the Library have been recently received, as well as a number of volumes by donation. A few students from the upper classes are given employment in the Library in part payment for their tuition.

THE WARNER SCIENCE HALL

The studies in the Departments of Physics, Biology, Geology, and Chemistry are pursued in the large and convenient Warner Science Hall, erected in 1901 through benefactions of the late Ezra J. Warner of the Class of 1861. The building is a memorial of his father, the Honorable Joseph Warner, formerly a resident of Middlebury and a trustee of the College from 1850 to 1865. By the will of Mr. Warner, the College will receive a bequest of $25,000 for the care and maintenance of the Hall, and for the purchase of supplies for the departments which it accommodates.

The Department of Physics is located on the first floor, and comprises a main laboratory for student use with sufficient apparatus for two full years of study and investigation in Physical Science, a private laboratory for the instructor, and a physical lecture room.

The Departments of Biology and Geology occupy the second floor. Here are laboratories for the study of Geology, Comparative Botany, and Zoology, and the museums of geological and zoological specimens.

The third floor is devoted entirely to Chemistry. Convenient laboratories for qualitative and quanti-

tative analysis, a private laboratory for the instructor, a dark room for photography, and a chemical lecture room are included in the equipment.

Advanced study and independent research are encouraged in each of the natural and physical sciences, and in the modern and well furnished laboratories of this building abundant opportunities are afforded to the student.

THE MUSEUM OF NATURAL HISTORY

Among the professors of the College for many years have been men of marked ability in natural science, who have shared with the institution the fruits of their researches. One of the earliest geological surveys of Vermont was conducted by Professor Charles B. Adams, who then occupied the chair of Natural History. He laid the foundation for the large collection of fossils representing the different geological formations. The work of Professor Henry M. Seely, long connected with the College, is in evidence in the large collections of fossils of the Champlain Valley.

In Botany, the complete series of the flowering plants and ferns of the Champlain region, which was collected by President Brainerd, is especially notable. This herbarium is constantly increasing, and valuable additions have been made in recent years in the higher fungi and other cryptogamous plants gathered by Dr. Burt.

COLLEGE OFFICES

The office of the President is located on the third floor of the Chapel. The President may be seen from 11 to 12 A.M. each day except Sunday, and consulta-

tion by students on any subject of importance to them is cordially invited. When the President is out of town, the Senior Professor is in charge of the College and may be consulted with equal freedom. A catalogue of all graduates, former students, and friends of the College is kept in the office, and prompt notification of change of address is requested. The President's home is the large dwelling built for the purpose by President Kitchell and purchased for the College with funds contributed for the purpose by Hon. Joseph Battell, of the Class of 1823.

Dean Howard's office is in Painter Hall, middle division. Men desiring to be out of town while College is in session should first secure permission of him. Excuses for absence should also be presented to the Dean.

The Dean of Women has her office on the fourth floor of the Chapel, where women may offer reasons for absence.

The office of the Registrar is in Painter Hall, middle division. All students are expected to register at the beginning of each semester. The Registrar's office will be open for this purpose on and after the Monday before the beginning of the College year.

The Treasurer of the College has his office in the National Bank of Middlebury, and may be seen during banking hours.

RELIGIOUS SERVICES

The exercises of each day, except Sunday, begin with religious services, which all students must attend.

They are also required to attend public worship on Sunday morning, at such churches as are decided upon by the students or their parents.

In a room in the Chapel the Young Men's Christian Association holds meetings on Tuesday evenings, and the Young Women's Christian Association on Thursday afternoons, to which the students are welcome.

The College is non-sectarian, but seeks to promote a healthful religious influence.

HALLS OF RESIDENCE FOR MEN

Painter Hall was erected in 1814, and is one of the best examples of colonial architecture in New England. It was first known as West College, but since 1846 has borne the name of Gamaliel Painter, one of the founders of the College, whose generosity provided the funds for the building.

Starr Hall was built in 1861, and was rebuilt, after a disastrous fire, in 1865. The funds for its erection were contributed by Charles and Egbert Starr. It has thirty-two suites, designed for two students each, consisting of study, bedroom large enough for two single beds, and closets.

Both halls are of blue limestone and are substantial and comfortable buildings. A few years ago they were remodeled and furnished with bathrooms, water-closets, steam heat, and electric light. The charges for rooms in both dormitories are the same, and are exceedingly moderate: $30 a year per student when two occupy a room, and $60 when a room is occupied singly, including light and heat in

each case. The rooms in both halls are unfurnished. Students should bring bedding; necessary furniture may be purchased in Middlebury.

In assigning rooms, preference is given to students in College in order of classes. A drawing for rooms for 1911–12 will be held June 9, 1911. Students now occupying rooms, and desiring to retain the same, may do so by depositing $5 advance payment on room rent with the Treasurer before June 9. Others desiring rooms for next year, including incoming students, may secure reservations by making the $5 advance deposit. Rooms not taken June 9 will be assigned to students applying later in order of application, irrespective of classes.

The halls will be ready for occupation by the students on the noon of the Monday that precedes the opening of College after any vacation period; they will be closed for all vacation periods on the noon of the first Saturday after the period begins.

HALLS OF RESIDENCE FOR WOMEN

Pearsons Hall, a new building for women, will be completed in time for occupancy at the Summer Session and will be available for women students at the opening of the College year in 1911. It is located on a commanding height overlooking the village, from which wide views of the Adirondacks and Green Mountains are obtained. The hall is of marble, of pleasing colonial design, and contains a large social hall, a gymnasium, dressing and bathing rooms, besides both single and double living rooms.

Battell Cottage has been enlarged during the year, the addition furnishing the dining hall and

kitchen for both the Cottage and Pearsons Hall. The two buildings together accommodate about one hundred women.

The price of board and room in either building is $175 a year, payable semi-annually in advance to the Treasurer of the College. Applications for rooms may be made to Miss White, Dean of Women.

HAMLIN COMMONS

Table board is furnished to men at Hamlin Commons, a club conducted on the co-operative plan by the students under the supervision of the President and the Treasurer of the College. The College owns the building, which is located just outside the Campus, and gives the use of it to the students without cost. The food is plain but abundant, and the cost is $3 a week. Payment is required each week, strictly in advance.

EXPENSES

The location of the College in a small village in a frugal agricultural region favors economy, and by a resolute endeavor the expenses of students have been kept extremely moderate. The charges of the College are small, and the general expenses of students should not be large. The following table indicates the principal items:

Tuition	$80.00
Incidentals, library, reading room, gymnasium, etc.	12.00
Room Rent in Starr or Painter Hall, including heat and light	30.00
Table Board for 37 weeks, at $3.00	111.00

In most of the elective courses in Chemistry, Biology, and Physics a laboratory fee of $5 a semester is charged, as specified in the announcements of the several courses.

The charges for room rent, heat, and light are on the supposition that two students occupy a room. Where a student rooms alone, the charge for rent, including heat and light, is $60 per year. Board and room for women in Pearsons Hall and Battell Cottage are $175 a year, payable semi-annually in advance.

Bills for tuition and other charges are rendered in October and February of each College year, and are then payable. If not settled before January or June following, $5 is added to the account. A student who does not make payment at the opening of the following year stands suspended until the account is settled.

The charge for tuition is the same for men and women. Expenses for clothing, traveling, entertainments, etc., are not included.

SELF-HELP

For many years Middlebury has been known as a College at which exceptional opportunities are afforded to students who must depend largely upon their own resources in securing an education. The principal assistance a College can render in this respect is in keeping expenses down, especially the charges for room and board. Employment by which the student can earn a part of his expenses can usually be obtained about the College or in the village, although regular work can not be promised before the student has arrived and his capacity and

fitness are determined. Occupations in which students find employment are waiting on table, care of furnaces, farm and garden work, typewriting, tutoring, etc. The Deans keep a list of students desiring work, and applications should be made to them.

SCHOLARSHIPS

The College has a generous number of student benefits, many of them given in early years at great self-sacrifice on the part of the donors. The income of these funds is expended exclusively in payment of the tuition, in whole or in part, of needy and deserving students of good deportment and application. When the number of students was much smaller, these funds allowed a somewhat more liberal bestowment of beneficiary aid than is now possible. It is not expected that those whose circumstances admit the full payment of College bills will apply for scholarship assistance. It is earnestly desired, however, that where need requires, those who might not otherwise be able to receive a College education will apply for aid from this source. The College has a long record of special encouragement to those who are obliged to secure an education largely through their own efforts. Correspondence concerning scholarships should be directed to the President, who will furnish blanks for application.

Any scholarship may be forfeited at any time during the course through negligence or misconduct. When a student incurs more than one condition in any semester, or when he receives a second warning because of unexcused delinquencies, the scholarship allowance for that semester is thereby forfeited.

Among the student benefits dispensed by the College are the following:

The Waldo Fund, established by Mrs. Catherine Waldo of Boston.

The Baldwin Fund, received from the estate of John C. Baldwin, Esq., of Orange, N. J. The Waldo and Baldwin Funds are used in cancelling College bills to the amount of $80 of each of twelve students whose scholarship, deportment, and necessities warrant such a benefaction.

The Warren Fund, applied in payment of College bills of those who are preparing for the Gospel Ministry.

The Fairbanks Scholarships, established by Thaddeus Fairbanks, Esq., of St. Johnsbury.

The Levi Parsons Scholarships, established by the Honorable Levi Parsons Morton of New York City.

The Daniel O. Morton Scholarship, established by the Honorable Levi Parsons Morton of New York City.

The Penfield Scholarship, established by Allen Penfield, Esq., of Burlington.

The Emma Willard Scholarship, established by the Emma Willard Association, for the benefit of deserving young women.

The Charles A. Field Scholarship, given to the village of Proctor, Vermont, "as a memorial of regard for Fletcher Dutton Proctor and of gratitude to him, and for courtesies received at the hands of other residents of said village."

The A. P. Stafford Fund, "to assist needy students from Wallingford to an education."

The Windham County Congregational Conference Scholarship.

STATE SCHOLARSHIPS

An annual appropriation from the State of Vermont pays to the amount of $80 annually "the tuition and incidental College charges of thirty students, one of whom shall be designated and appointed by each Senator in the General Assembly, such appointment to be made by such Senator from his respective county, provided any suitable candidate shall apply therefor, otherwise from any county in the State."

Any person prepared to enter College, desiring to take advantage of a State scholarship, should apply to one of the Senators of the county in which he resides, and the Senator may thereupon give him a certificate of appointment, which will cancel his tuition for two years. Should the Senators in the applicant's county already have made appointments, the student should immediately apply to the President of the College, as there may be a vacancy from some other county of which the applicant may avail himself.

Under this act, students of both sexes are eligible for appointment to a State scholarship. The same regulations as to forfeiture through misconduct and incurring conditions apply to State scholarships as to student benefits owned by the College.

ASSOCIATED ALUMNI

The officers and committees of the Associated Alumni of the College for the year 1910–11 are: President, Thomas H. Noonan, '91; first vice-president, Harry F. Lake, '99; second vice-president, Gilbert W. Roberts, '02; third vice-president, Leslie E. Sunderland, '04; secretary and treasurer, Frank

W. Cady, '99. Necrological Committee: Thomas E. Boyce, '76; Herbert E. Boyce, '00; Stanton S. Eddy, '94. Central Committee: Charles B. Wright; Thomas E. Boyce, '76; Duane L. Robinson, '03.

ALUMNI ASSOCIATIONS

Alumni Associations in New York, Boston, and Chicago hold annual meetings. The officers of the New York association for the year 1910–11 are: President, Julian W. Abernethy, '76; secretary, Percival Wilds, '02, 2 Rector St., New York. Executive Committee: Walter S. Grant, '95; Reid L. Carr, '01; Sanford H. Lane, '05.

The officers of the Boston association for the year 1910–11 are: President, Guy C. Lamson, '96; secretary and treasurer, Miss Rena I. Bisbee, '00, Milford, Mass.

The officers of the Chicago association for the year 1910–11 are: President, George E. Plumbe, '61; secretary, Seymour Edgerton, 803 New York Life Building, Chicago.

DEGREES CONFERRED IN 1910

HONORARY DEGREES

DOCTOR OF DIVINITY

Timothy Prescott Frost

DOCTOR OF LETTERS

Irving Bacheller
George Nye Boardman, '47
Julia Caroline Ripley Dorr
Wendell Phillips Stafford

DOCTOR OF LAWS

Henry Wayland Hill

DEGREES IN COURSE

WITH COMMENCEMENT APPOINTMENTS

A.B.

James Lagrande Cadwell†¶
William Hoyt Carter†¶
Raymond Millard Coleman
Richard Aiken Currier
George McMillan Darrow, 10
Harry Allan Farrar
Ray Lisle Fisher
Egbert Charles Hadley†¶
Robert Fletcher Hunt
Harold Denio Leach†¶
Lyman Alton Morhous
Charles Watson Murdock†¶
Harlan Sylvester Perrigo, Jr., 9
Melbourne Jabez Pond, 7
Paul Dunton Ross, 1
Guy Maynard Wright
Edith Sarah Atwood†¶ 2, 3
Maude Edith Avery
Myra Anna Bagley†¶
Anna Louise Butler†¶ 6
Gretta Ann Cater
Helen Stevens Clark
Stella Mildred Cook
Georgia Abigail Gardner
Edith Nellie Grout
Angeline May Holden
Rena Richmond Huntley
Martha Eleanor Meibert†¶ 4, 11
Goldia Mary Monroe
Gwendoline Morris, 1

Robert Child Ryder, 8
George Edward Shaw,†¶
Frank Patrick John Shea
Herbert Emerson Worden*†¶
Alice Florence Raymond**‡¶
Esther Helena Shea, 5
Ada Frances Wells
Angeline Mary Wilcox†¶

* Valedictory Addresses.
** Salutatory Addresses.
† Commencement Honors, *cum laude*.
‡ Commencement Honors, *magna cum laude*.
Maude Edith Avery, Gretta Ann Cater, and Stella Mildred Cook were also of *cum laude* grade.

1. Honors in Chemistry.
2. Highest Honors in English.
3. Highest Honors in French.
4. Highest Honors in German.
5. Honors in German.
6. Honors in Greek.
7. Highest Honors in History.
8. Honors in Jurisprudence.
9. Highest Honors in Latin.
10. Honors in Natural History.
11. Honors in Philosophy

¶ Phi Beta Kappa.

PRIZE SPEAKING AWARDS

MERRILL PRIZES

Class of 1912

First Prize—Ralph Warner Hedges
Second Prize—Arthur Burt King
Third Prize—Edward Joseph Ryan
Fourth Prize—Edward Lynch O'Neill

PARKER PRIZES

Class of 1913

First Prize—Charles Leo Smiddy
Second Prize—Wilfred Edward Davison

PRIZES TO JUNIORS

HISTORY AND POLITICAL SCIENCE

First Prize—William Richmond
Second Prize—Walter Henry Cleary

ENGLISH

First Prize—Margaret French
Second Prize—Ruth Ida Burnham

STUDENTS

GRADUATE STUDENTS

Edith S. Atwood, '10	*Newport*
William V. Berg	*Brandon*
M. Louise Chaffee, '98	*Jamesburg, N. J.*
Leonard T. Cole	*Morrisville*
David H. Corkran	*Middlebury*
Josephine B. Emerson	*Middlebury*
Harry A. Farrar, '10	*New Haven*
Harry L. French, '09	*Erie, N. Dak.*
D. Ashley Hooker, '06	*Washington, D. C.*
John W. McCormack, '09	*Indian Lake, N. Y.*
Carrie W. Ormsbee	*Brandon*
I. E. Usher	*Bristol*
Chester M Walch, '07	*Contoocook, N. H.*

SENIORS—Class of 1911

John Milton Avery	Cl.	*Middlebury*	125 Main St.
William Eric Blackmore Barnes	Cl.	*Bellevue, Pa.*	Chi Psi Lodge
Wayne Cook Bosworth	Cl.	*Bristol*	D. U. House
Herbert Alfred Burnham	Cl.	*Sutton*	D. U. House
Albert Forsyth Burt	Cl.	*Middlebury*	15 Weybridge St.
Walter Henry Cleary	Cl.	*Lyndonville*	D. U. House
Frederick Ames Coates	Cl.	*Rouse's Point, N. Y.*	D. U. House
Alvin William Coolidge	Cl.	*East Jaffrey, N. H.*	12 P. H.
Russell Pease Dale	Cl.	*Springfield, Mass.*	D. U. House
Pierce Wordsworth Darrow	Cl.	*Middlebury*	3 Weybridge St.
Williams Hinds Darrow	Cl.	*Middlebury*	3 Weybridge St.
Stephen Allen Doody	Cl.	*Middlebury*	R. F. D. No. 5
Woodburn Prescott Harris	Cl.	*Waits River*	14 P. H.
George Reed Hemenway	Cl.	*Manchester*	D. K. E. House
Rollo Alvord Kilburn	Cl.	*Pittsfield, Mass.*	D. U. House
Edwin Thomas Maloney	Cl.	*Whallonsburg, N. Y.*	14 P. H.
Alfred Martin	Cl.	*St. Louis, Mo.*	14 S. H.
John William McConnell	Cl.	*Valatie, N. Y.*	10 P. H.

Hiram Dunlap Moore	Cl.	*Ludlow*	17 P. H.
Edward Martin Noyes	Cl.	*Salisbury*	D. U. House
Ralph Frederick Palmer	Cl.	*Bristol*	D. K. E. House
J. Gordon Peach	Cl.	*Brattleboro*	D. U. House
Amerigo Joseph Ratti	Cl.	*Proctor*	16 P. H.
William Richmond	Cl.	*Menands, N. Y.*	
Frank Canedy Ryder	Cl.	*Hinesburg*	D. U. House
Edwin Sherwood Stowell Sunderland	Cl.	*Middlebury*	D. K. E. House
Harold Stuart Tuck	Cl.	*Quincy, Mass.*	D. K. E. House
Robert Royal Twitchell	Cl.	*Bethel*	18 P. H.

JUNIORS—Class of 1912

Philip Sheridan Andrus	Cl.	*Enosburg Falls*	8 P. H.
Millard Fillmore Blanchard	Cl.	*Rutland*	16 College St.
Charles Wright Bundy	Cl.	*Nashua, N. H.*	D. K. E. House
William Christie Duncan	Cl.	*Middlebury*	Battell Block
Marcus Franklin Gorham	Cl.	*West Rutland*	5 South St.
Carl Diedreich Grupe	Cl.	*Willsboro, N. Y.*	15 P. H.
Ivers Alfred Hackett	Cl.	*Bethel*	6 P. H.
Arthur Webster Harris	Cl.	*Waits River*	12 P. H.
Ralph Warner Hedges	Sc.	*Northfield*	D. U. House
Philip Evans Kidder	Cl.	*Essex Junction*	25 S. H.
Arthur Burt King	Cl.	*Westhampton, N. Y.*	D. U. House
John Kopke	Cl.	*Brooklyn, N. Y.*	D. K. E. House
Michael Joseph Lahiff	Cl.	*Adams, Mass.*	Chi Psi Lodge
Willys Merritt Monroe	Cl.	*Cos Cob, Conn.*	D. U. House
Lewis Chester Morrison	Cl.	*Malden, Mass.*	4 Pleasant St.
Charles William Mulcahy	Cl.	*Hardwick*	18 High St.
Richard Sargent O'Connell	Cl.	*Middlebury*	Sargent House
Edward Lynch O'Neill	Sc.	*Portland, Me.*	Chi Psi Lodge
Edward Joseph Ryan	Cl.	*Lee, Mass.*	10 P. H.
Brooks Frederick Smith	Sc.	*Ludlow*	17 P. H.
Joseph Milton Stillson	Sc.	*New Preston, Conn.*	20 Weybridge St.
George Goldthwaite Taylor	Sc.	*Granby, Mass.*	Chi Psi Lodge
Hugh Olin Thayer	Sc.	*West Brattleboro*	D. U. House
Arthur Charles Thomas	Cl.	*Hill View, N. Y.*	D. U. House
Earle Thurman Tracey	Cl.	*Nashua, N. H.*	Chi Psi Lodge
Wayland Flint Walch	Cl.	*Bedford, N. H.*	9 P. H.
John Smith Woodward	Sc.	*Warrensburg, N. Y.*	17 S. H.

SOPHOMORES—Class of 1913

John Comstock Agnew	Sc.	*Port Henry, N. Y.*	D. K. E. House
John Alanson Arnold	Cl.	*St. Albans*	8 South St.
Dale Simpson Atwood	Sc.	*St. Johnsbury*	Chi Psi Lodge
Edwin Lawrence Bigelow	Ped.	*Stowe*	13 S. H.
Lacy Wheaton Bump	Sc.	*Potsdam, N. Y.*	D. K. E. House
Edgar Alonzo Carrier, Jr.	Cl.	*Colchester, Conn.*	12 S. H.
William Wallace Chalmers	Sc.	*Fitchburg, Mass.*	D. K. E. House
Theron Lee Culver	Sc.	*Royalton*	13 P. H.
Wilfred Edward Davison	Cl.	*Lower Cabot*	18 P. H.
Marvin James Dodd	Sc.	*East Orange, N. J.*	9 S. H.
John Edmund Downing, Jr.	Sc.	*East Port Chester, Conn.*	5 S. H.
Rolland John Ellsbury	Sc.	*Willsboro, N. Y.*	15 P. H.
William Eben Greenleaf	Ped.	*Hinesburg*	6 P. H.
Russell Warren Hallock	Sc.	*Speonk, N. Y.*	D. U. House
Dane Dutton Jackson	Cl.	*Middlebury*	16 South St.
Bernard Arthur Leonard	Sc.	*Wallingford*	7 S. H.
Walter Bernard McGuirk	Sc.	*West Wallingford*	12 S. H.
William Kenedy MacMurtry	Cl.	*Middlebury*	R. F. D. No. 2
George Edwin Parker	Ped.	*Barre*	6 S. H.
William Francis Pollard, Jr.	Cl.	*Riverside, Mass.*	31 S. H.
Hobart Bennett Potter, Jr.	Cl.	*Newark, N. J.*	D. U. House
Clinton Seymour Reynolds	Cl.	*Pittsfield, Mass.*	18 P. H.
Marshall Jewell Root	Sc.	*Providence, R. I.*	7 S. H.
Hiram Spencer Sessions	Cl.	*West Rutland*	Chi Psi Lodge
Charles Leo Smiddy	Sc.	*New London, Conn.*	D. U. House
Hendrick Woodruff Van Ness	Sc.	*Greenwich, N. Y.*	16 P. H.
Roy Harold Walch	Cl.	*Hudson, N. H.*	9 P. H.
Ralph Hall Waldo	Sc.	*New York, N. Y.*	D. U. House
Edward Chauncy Walker	Sc.	*Richmond*	14 S. H.
Edgar Jolls Wiley	Sc.	*Ticonderoga, N. Y.*	6 S. H.
Frank Grandey Williams	Cl.	*Bridport*	31 S. H.
Harry Oliver Williams	Cl.	*Rutland*	Chi Psi Lodge
Royal Alexander Wray	Cl.	*New York, N. Y.*	20 Weybridge St

FRESHMEN—Class of 1914

George Isaac Abbott, Jr.	Sc.	*Bethel*	10 S. H.
Harold Wallace Abbott	Sc.	*Derry, N. H.*	11 S. H.
Irving Holden Baker	Cl.	*Danby*	23 S. H.
John Thomas Bartlett, Jr.	Cl.	*Raymond, N. H.*	11 S. H.

John Henry Berns, Jr.	Sc.	*Elizabeth, N. J.*	22 S. H.
Leslie Bernstein	Cl.	*Richmondville, N. Y.*	15 S. H.
David Holbrook Brown	Cl.	*Collinsville, Conn.*	1 S. H.
Robert Edgar Bundy	Cl.	*Bethel*	10 S. H.
Willard Duncan Carpenter	Sc.	*Vergennes*	27 S. H.
Howe Kendrick Cassavant	Cl.	*Albany, N. Y.*	21 S. H.
Laurence Webster Cluff	Ped.	*Hyde Park, Mass.*	26 S. H.
Earland B. Cook	Sc.	*Concord, N. H.*	9 S. H.
Elton Frick Cronk	Sc.	*Greenwich, Conn.*	16 S. H.
Max Irving Davis	Ped.	*Brooklyn, N.Y.*	13 P. H.
Homer R. Denison	Cl.	*New Haven, Conn.*	23 S. H.
Robert J. Denton	Sc.	*Port Jervis, N. Y.*	21 S. H.
Bert Edward Doyle	Sc.	*Hanover, N. H.*	24 S. H.
George Lester Edes	Sc.	*Newport, N. H.*	3 S. H.
Richard Stewart Esten	Sc.	*Middlebury*	55 Seminary St.
Howard C. Farwell	Sc.	*Providence, R. I.*	28 S. H.
Benjamin Warner Fisher	Sc.	*Vergennes*	19 S. H.
Harvey Edward Goodell	Sc.	*Readsboro*	7 P. H.
Herbert Warren Goodhue	Sc.	*Hyde Park, Mass.*	26 S. H.
Percy Deane Gunn	Sc.	*Brockton, Mass.*	2 S. H.
Herbert Warren Hamilton	Sc.	*Campello, Mass.*	11 P. H.
Robert Henry Hill	Cl.	*Ticonderoga, N. Y.*	8 S. H.
Arthur Russell Holden	Sc.	*Shirley, Mass.*	2 S. H.
John Fiske Hough	Cl.	*Rutland*	30 S. H.
Moses Gilbert Hubbard, Jr.	Cl.	*Summit, N. J.*	23 S. H.
Howard Conkling Johnston	Sc.	*Horicon, N. Y.*	17 S. H.
Clarence W. McIntire	Ped.	*Woodsville, N. H.*	1 S. H.
Robert Price Marsh	Sc.	*Brooklyn, N. Y.*	15 S. H.
Walter Irving Metcalf	Cl.	*Hydeville*	16 S. H.
Maynard Cleveland Moore	Sc.	*Middlebury*	5 South St.
Augustus W. F. Newman	Sc.	*Hoosac Tunnel, Mass.*	7 P. H.
William Francis O'Neil	Sc.	*West Rutland*	25 S. H.
Thomas H. Ormsbee	Sc.	*Brooklyn, N. Y.*	3 S. H.
Arthur Buckingham Perkins	Sc.	*Chicago, Ill.*	31 S. H.
George Abert Ramsdell	Sc.	*Millington, Mass.*	24 S. H.
Werner Frederick Reith	Sc.	*Dolgeville, N. Y.*	29 S. H.
Oscar Bingby Rogers	Sc.	*Remsenburg, L. I., N. Y.*	29 S. H.
George Herbert Seavey	Ped.	*Hudson, N. Y.*	28 S. H.
William Mallory Sheldon	Sc.	*East Orange, N. J.*	22 S. H.
Russell Earle Smith	Sc.	*Vergennes*	27 S. H.
Lindley Sturges Squires	Sc.	*Rutland*	13 S. H.
Karl Isaac Solomon Sterns	Ped.	*Middlebury*	6 High St.

Edward Robert Triggs	Sc.	*Port Chester, N. Y.*	5 S. H.
Homer Jackson Vail	Sc.	*Randolph*	20 Weybridge St.
John Charles Eliot Voss	Cl.	*Shoreham*	125 Main St.
Dominic Henry Weafer	Sc.	*Morrisville*	8 P. H.
Elmer Reed West	Cl.	*Ticonderoga, N. Y.*	8 S. H.
Charles Wilcox	Sc.	*Greenfield, Mass.*	11 P. H.
Edwin Holmes Woods	Sc.	*Oxford, Miss.*	66 Main St.
William Francis Youngs	Sc.	*Summit, N. J.*	32 S. H.

THE WOMEN'S COLLEGE

In Connection with Middlebury College

Miss Rhoda M. White, A.M., Dean

In 1883 Middlebury College opened its doors to women, and offered to them the same courses and privileges afforded to men. In 1902, a charter was granted for an affiliated College for Women, and steps have been taken toward two co-ordinate institutions, one for men and one for women, as fast as resources have allowed. It is believed that both men and women are better for the distinct social life of a separate College, but that the greater economy in administration and instruction when the education of both sexes is conducted under the same corporate management and by the same Faculty justifies affiliated institutions in the same location.

The President and Fellows of Middlebury College exercise full supervision and control of the Women's College. They are authorized to receive gifts of money for scholarships and professorships for the benefit of women students, for buildings for women, and for the general purposes of the Women's College. Bequests, legacies, and gifts for the education of women in connection with Middlebury College, like those intended for any other department of the College, should be made payable to "The President and Fellows of Middlebury College."

Women in Middlebury are taught by the same Faculty as men, and enjoy precisely the same privileges in the Library and Laboratories. All studies of the Classical and Pedagogical Courses are open to

them, with the same freedom of election, and they have equal opportunities in the Department of Pedagogy established by the State.

The Dean of Women seeks to be the friend and adviser of each woman in College. The social activities of the women are under her direction.

Pearsons Hall, erected the present year with a portion of the D. K. Pearsons Fund of $100,000, accommodating with Battell Cottage about 100 women, will be used first for the Summer Session of 1911. It is expected that, beginning in September, 1911, the College will provide residence for women, except where special permission is obtained to reside elsewhere.

The requirements for admission to the Women's College are the same as those for men in the Classical and Pedagogical Courses. Women are accorded the degree of A.B. upon graduation and may attain the degree of A.M. Separate chapel exercises are maintained for them, and separate recitations in most of the required work of the first two years. Correspondence connected with the Women's College should be addressed to the Dean for Women.

SENIORS—Class of 1911

Elizabeth Tupper Adams	Cl.	*Ferrisburg*	18 High St.
Grace Lillian Allen	Cl.	*Ferrisburg*	Battell Cottage
Gertrude Brodie	Cl.	*Red Granite, Wis.*	15 Pleasant St.
Veva Elsie Bullard	Cl.	*Vergennes*	3 Weybridge St.
Ruth Ida Burnham	Cl.	*Brandon*	36 College St.
Alice Eleanor Casey	Cl.	*Bristol*	47 Pleasant St.
Isabelle Caroline Darrow	Cl.	*Middlebury*	3 Weybridge St.
Emma Gibbs Easton	Cl.	*Middlebury*	69 Pleasant St.
Mary Kathleen Edmunds	Cl.	*Bristol*	22 Main St.
Kathleen Maria Foote	Cl.	*Cornwall*	69 Pleasant St.
Margaret French	Cl.	*Swanton*	Battell Cottage
Marion Adelaide Frizelle	Cl.	*Brooklyn, N. Y.*	Battell Cottage
Eliza Hester Hart	Cl.	*Bennington*	15 Pleasant St.
Alice Hemenway	Cl.	*Bridport*	4 Seymour St.
Myrle Blanche Hill	Cl.	*Middlebury*	Elm St.
Louise Johnson	Cl.	*Middlebury*	6 South St.
Mabel Martin	Cl.	*Middlebury*	60 Pleasant St.
Marion Martin	Cl.	*Poultney*	125 Main St.
Jennie Blanche McLellan	Cl.	*Middlebury*	31 Seminary St.
Marion Edith Roys	Cl.	*Middlebury*	23 Weybridge St.
Elizabeth Ryder	Cl.	*Middlebury*	38 South St.
Margaret Farnsworth Sheldon	Cl.	*Middlebury*	91 Main St.
Eunice Woodward Smith	Cl.	*Worcester, Mass.*	Battell Cottage
Carmen Renda Walker	Cl.	*Ludlow*	15 Pleasant St.
Cora Elizabeth Welch	Cl.	*Bethel*	18 Seymour St.
Sara Dickinson Whitney	Cl.	*Bennington*	15 Pleasant St.
Helen Gale Wood	Cl.	*Hyde Park*	15 Pleasant St.

JUNIORS—Class of 1912

Mabel Lois Agnew	Cl.	*Port Henry, N. Y.*	117 Main St.
Alice Weed Barnum	Cl.	*Jericho Center*	8 High St.
Edith Marjorie Bates	Cl.	*Pittsfield, Mass.*	Battell Cottage
Blanche Belle Bostwick	Cl.	*Burlington*	8 High St.
Mary Elizabeth Bresnehan	Cl.	*Proctor*	36 College St.
Margaret Helen Croft	Cl.	*Waterbury, Conn.*	23 Weybridge St.
Helen Lillian Crosby	Cl.	*Lawrence, Mass.*	4 Weybridge St
Cathleen Veronica Driscoll	Cl.	*Ballston Spa, N. Y.*	23 Seminary St.
Lou Mae Dutton	Cl.	*Montpelier*	15 Pleasant St.

Marguerite Adah Ellison	Cl.	*Farmington, N. H.*	36 College St.
Genevieve Isabelle Elmer	Cl.	*Middlebury*	49 Seminary St.
Clara Thrall Engel	Cl.	*Rutland*	15 Pleasant St.
Louise Genevieve Fellows	Cl.	*Wells River*	119 Main St.
Elma Pruda Harwood	Cl.	*Round Lake, N. Y.*	Battell Cottage
Thelma Gertrude Havens	Cl.	*Chester Depot*	15 Pleasant St.
Ada Belle Hill	Cl.	*Lake George, N. Y.*	6 South St.
Ruth Hill	Cl.	*Wallingford*	Battell Cottage
Sarah Hila Lewis	Cl.	*South Royalton*	Battell Cottage
Helen Susan Merrill	Cl.	*Lawrence, Mass.*	10 College St.
Louise Frances Monroe	Cl.	*Cos Cob, Conn.*	Battell Cottage
Gertrude Martha Murdock	Cl.	*Port Henry, N. Y.*	117 Main St.
Laura Lucinda Newell	Cl.	*Alstead, N. H.*	6 South St.
Minnette Carrier Norton	Cl.	*N. Westchester, Conn.*	23 Seminary St.
Hazel Gertrude O'Connell	Cl.	*Middlebury*	Sargent House
Rachel Fellows Pike	Cl.	*Worcester, Mass.*	38 South St.
Ruth Hamblin Richner	Cl.	*Woodfords, Me.*	20 College St.
Lena Dunbar Sears	Cl.	*West Hawley, Mass.*	6 College St.
Vivia Irene Stone	Cl.	*Springfield*	Battell Cottage
May Irene Thayer	Cl.	*West Brattleboro*	Logan House
Jessie Marion Warner	Cl.	*Brandon*	18 Seymour St.
Pauline Marie Weiss	Ped.	*Newark, N. J.*	36 College St.
Lucy Amelia Willard	Cl.	*Vergennes*	22 Main St.
Grace Hazel Wright	Cl.	*Vergennes*	2 Pleasant St.

SOPHOMORES—Class of 1913

Fannie Gertrude Alden	Cl.	*Proctor*	36 College St.
Mary Townsend Archibald	Cl.	*Rutland*	9 Elm St.
Laurie Romola Besiegel	Ped.	*Dalton, Mass.*	34 Seminary St.
Esther Alice Boyce	Cl.	*Bristol, N. H.*	34 Pleasant St.
Ruth Mary Brookins	Cl.	*Middlebury*	47 Pleasant St.
Sara Davis Brown	Cl.	*St. Albans*	41 South St.
Faye Belle Butterfield	Ped.	*Middlebury*	30 South St.
Caroline Elizabeth Buttolph	Cl.	*Middlebury*	111 Main St.
Julia Clifford Carter	Ped.	*Vergennes*	7 Elm St.
Florence Ardelle Clark	Cl.	*Brookville, Mass.*	Battell Cottage
Wilma Caroline Cory	Cl.	*Saxton's River*	34 Pleasant St.
Bessie Mildred Cudworth	Ped.	*S. Ashburnham, Mass.*	20 College St.
Edith Darrow	Cl.	*Middlebury*	3 Weybridge St.
Grace Maria Ellis	Cl.	*Worcester, Mass.*	Battell Cottage

Edna Josephine Ellsworth	Ped.	*Peterboro, N. H.*	41 South St.
Helen Atarah Harriman	Cl.	*N. Adams, Mass.*	27 Washington St.
Bertha Annette Holden	Cl.	*Pittsford*	Battell College
Alice Adella Holmes	Ped.	*Proctor*	36 College St.
Eva Adelia Holt	Cl.	*West Rutland*	Battell Cottage
Phyllis Edwards Hopkins	Cl.	*Belchertown, Mass.*	Battell Cottage
Kathleen Amelia Hunt	Ped.	*Middlebury*	R. F. D. No. 4
Mary Ida Johnson	Cl.	*Wallingford*	41 South St.
Emma Elizabeth Kingsley	Ped.	*Middlebury*	11 Elm St.
Faith Blackmer Linsley	Cl.	*Middlebury*	Battell Cottage
Alice Mary Morrill	Ped.	*North Troy*	36 College St.
Alice Rachel Peaslee	Cl.	*Contoocook, N. H.*	Battell Cottage
Annie Estelle Perkins	Ped.	*Berwick, Me.*	27 Washington St.
Gladys Viola Rand	Ped.	*Johnson*	18 Seymour St.
Mary Colton Reynolds	Cl.	*Fair Haven*	15 Pleasant St.
Annah Belle Sheldon	Cl.	*West Salisbury*	6 South St.
Charlotte Leavitt Slocum	Cl.	*Amherst, Mass.*	Battell Cottage
Barbara Harriet Smith	Cl.	*Middlebury*	6 South St.
Mildred Adeline Snow	Ped.	*Bellows Falls*	23 Weybridge St.
Ruby May Vosburgh	Cl.	*Middlebury*	50 Court St.
Frances Eunice Williams	Cl.	*Central Bridge, N. Y.*	117 Main St.
Dora Mabel Willson	Cl.	*Granby*	18 Seymour St.
Stella Alice Wooster	Ped.	*Middlebury*	8 Elm St.

FRESHMEN—Class of 1914

Florence Mary Aseltine	Cl.	*Enosburg Falls*	15 Pleasant St.
Ellen Mary Bailey	Cl.	*Wells River*	31 Seminary St.
Harriet Beecher Blakeman	Cl.	*Stratford, Conn.*	Battell Cottage
Hattie Jane Bump	Ped.	*Salisbury*	49 Court St.
Eunice Cady	Ped.	*Middlebury*	R. F. D. 5
Helena Belle Carpenter	Cl.	*Enosburg Falls*	22 Main St.
Helen Madaline Carrigan	Cl.	*Brandon*	36 College St.
Gladys Ina Davis	Cl.	*Chester*	15 Pleasant St.
Sophia Noela DuBois	Ped.	*Bethel*	41 South St.
Alice Maria Easton	Cl.	*Middlebury*	60 Pleasant St.
Amy Harriet Edmands	Cl.	*Island Pond*	Battell Cottage
Mary Louise Ellis	Cl.	*Pittsfield*	125 Main St.
Isabelle Upton Esten	Cl.	*Middlebury*	55 Seminary St.
Stella Agnes Farrell	Ped.	*Middlebury*	38 College St.
Helen Louise Foss	Cl.	*Charlestown, N. H.*	23 Weybridge St.

Marguerite Ellen Fuller	Ped.	*Westfield, Mass.*	36 College St.
Mary Madeline Geran	Cl.	*Holyoke, Mass.*	Battell Cottage
Elsie Julia Gibson	Ped.	*Pittsfield, N. H.*	37 N. Pleasant St.
Irene Augusta Graves	Cl.	*St. Albans*	Battell Cottage
Jessie Martha Graves	Cl.	*Walpole, N. H.*	36 College St.
Helen Irene Haugh	Cl.	*Waterbury, Conn.*	Battell Cottage
Charlotte Florence Jenne	Ped.	*Enosburg Falls*	15 Pleasant St.
Gertrude Frances Kingsley	Ped.	*Middlebury*	11 Elm St.
Edna Marion Latham	Cl.	*Northfield*	126 Main St.
Ethel Caroline Magoon	Cl.	*Coos, N. H.*	38 South St.
Aura Edwina Mudgett	Ped.	*Richford*	37 Pleasant St.
Caro Beulah Noyes	Cl.	*Salisbury*	10 College St.
Ruth Adele Noyes	Cl.	*Salisbury*	10 College St.
Sadie May Rice	Ped.	*Leicester, Mass.*	25 Seminary St.
Mary Edna Rockwood	Ped.	*Middlebury*	12 Seminary St.
Bernice Sophronia Sanborn	Ped.	*Newburgh, N. Y.*	23 Weybridge St.
Mary Agnes Shea	Ped.	*Middlebury*	11 High St.
Jennie Lois Spaulding	Cl.	*Craryville, N. Y.*	Battell Cottage
Verena Italy Suter	Cl.	*Swanton*	Battell Cottage
Alice Louise Tipping	Cl.	*Claremont, N. H.*	23 Weybridge St.
Julia Bosworth Wood	Ped.	*West Upton, Mass.*	Battell Cottage

STUDENTS IN ATTENDANCE AT THE SUMMER SESSION, 1910.

NAME	DIVISION	RESIDENCE
John M. Avery	B	*Middlebury*
Maude E. Avery	B	*Middlebury*
Annie L. Bailey	A	*Springfield, Mass.*
Myrtle H. Bain	D	*Middlebury*
Raymond H. Benedict	D	*Middlebury*
John H. Berns, Jr.	D	*Elizabeth, N. J.*
Millard F. Blanchard	B	*Rutland*
Wayne C. Bosworth	B	*Bristol*
Marion C. Botsford	A	*Manchester Center*
George L. Brayton	B	*Hartford, N. Y.*
Gertrude F. Brittain	A	*East Orange, N. J.*
Blossom P. Bryant	A	*Middlebury*
Lillian M. Buck	A	*Fairfax*
Grace S. Buttolph	A	*Middlebury*
Joseph H. Cassidy	D	*Millis, Mass.*
Henry Chapman	A	*Middlebury*
Earland B. Cook	D	*Concord, N. H.*
Theron Cook	D	*Shoreham*
Edna S. Coons	A	*East Orange, N. J.*
David H. Corkran	C	*Middlebury*
May L. Crane	D	*Vergennes*
Mattie H. Cunningham	A	*Middlebury*
Isabel Darrow	B	*Middlebury*
Marcia B. Darrow	A	*Middlebury*
Effie N. Daunis	A	*Middlebury*
Wilfred E. Davison	B	*Lower Cabot*
Mary E. Davy	A	*Morristown, N. J.*
Sidney Dodd	D	*East Orange, N. J.*
Clara A. Eastman	A	*Rockland, Me.*
Clara T. Engel	B	*Rutland*
Allen Everitt	D	*Orange, N. J.*
Harry A. Farrar	C	*Chester*
Ella L. Ferrin	A	*Castleton*
James W. Fertig	A	*Summerville, S. C.*
Kathleen M. Foote	B	*Middlebury*
Georgia A. Gardner	A	*Middlebury*
John A. Garvan	D	*East Orange, N. J.*

Clara M. Gilbert	A	*Pittsford*
Edwin B. Hallett	B	*Clyde, N. Y.*
John W. Hamilton	B	*Brattleboro*
Susie W. Hesselgrave	A	*Chatham, N. J.*
Charles E. Hicks	C	*Sangerville, Me.*
Susie Hincks	A	*Middlebury*
George M. Holden	A	*Hackettstown, N. Y.*
Gwendoline T. Hughes	A	*Fair Haven*
Winfield Huntley	D	*Middlebury*
Elizabeth S. Jones	A	*Island Pond*
Bertha A. Keese	A	*Middlebury*
George M. Kimball	C	*Oxford, Mass.*
Alice D. Lottridge	A	*East Orange, N. J.*
Louise E. Lovell	A	*Andover, N. H.*
C. Vernice Lovett	C	*Middlebury*
Seldon E. MacGeehon	A	*Southampton, Mass.*
Alice K. McGilton	A	*Middlebury*
Jennie B. McLellan	B	*Middlebury*
Virginia Moffat	D	*Orange, N. J.*
Lyman A. Morhous	A	*Ticonderoga, N. Y.*
J. Sterling Moran	A	*Middlebury*
Adelaide Norris	A	*Potsdam, N. Y.*
Edward L. O'Neill	B	*Portland, Me*
Susan D. Parker	A	*Middlebury*
Gertrude Peet	A	*Salem, Mass.*
Frances R. Piper	D	*Middlebury*
Eliza M. Reed	A	*Brooklyn, N. Y.*
Clinton S. Reynolds	B	*Pittsfield, Mass.*
James L. Richmond	A	*Middlebury*
William Richmond	B	*Menands, N. Y.*
Ruth H. Richner	B	*Portland, Me.*
Felix W. Rocchi	D	*Middlebury*
Grace A. Parker	A	*Vergennes*
Austin A. Savage	A	*So. Manchester, Conn.*
Harold A. Severy	C	*Brandon*
Myrtle H. Severy	A	*Brandon*
Margaret F. Sheldon	B	*Middlebury*
Ethel W. Skillings	A	*Middlebury*
Mary C. Soule	A	*Naugatuck, Conn.*
John Stevens	D	*New York, N. Y.*
Joseph M. Stillson	B	*New Preston, Conn.*
May Barton Taylor	A	*Middlebury*

Marion S. Thomas	D	*Middlebury*
Earle T. Tracey	B	*Nashua, N. H.*
Stella C. Turner	A	*Middlebury*
Guy A. Tuttle	C	*Proctor*
Robert R. Twitchell	B	*Bethel*
Murriel Vittum	A	*Middlebury*
Mabel E. Wales	A	*Middlebury*
Minnie E. Watson	A	*Oyster Bay, L. I.*
Kate R. White	A	*Middlebury*
Delana Willard	A	*Vergennes*
Gertrude Williams	A	*Poultney*
George R. Wilson	A	*Blairstown, N. J.*
Lula Woods	A	*Middlebury*
Herbert E. Worden	C	*Rye, N. Y.*
Royal A. Wray	B	*New York, N. Y.*
T. Sloan Young	D	*East Orange, N. J.*

SUMMARY

	MEN	WOMEN	TOTAL
Graduate Students	9	4	13
Seniors	28	27	55
Juniors	27	33	60
Sophomores	33	37	70
Freshmen	54	36	90
	151	137	288
Summer Session	42	53	95
Total			383
Counted twice			19
Net total			364

GEOGRAPHICAL DISTRIBUTION

(Undergraduates only)

	MEN	WOMEN	TOTAL
Vermont	62	87	149
New York	29	9	38
Massachusetts	18	17	35
New Hampshire	12	10	22
Connecticut	8	6	14
New Jersey	6	1	7
Maine	1	2	3
Rhode Island	2	0	2
Pennsylvania	1	0	1
Illinois	1	0	1
Wisconsin	0	1	1
Missouri	1	0	1
Mississippi	1	0	1
	142	133	275

CALENDAR

1910.

SEPTEMBER 22.	*Thursday*, 8:45 a.m. — First Semester Begins.
NOVEMBER 23 (noon) to 28 (noon)	Thanksgiving Recess.
DECEMBER 23 to JANUARY 2, 1911, inclusive.	Christmas Recess.

1911.

JANUARY 27.	Winter Meeting of the Corporation in New York.
JANUARY 30 to FEBRUARY 3.	Mid-year Examinations.
FEBRUARY 3.	*Friday*—First Semester Ends.
FEBRUARY 6.	*Monday*—Second Semester Begins.
FEBRUARY 22.	Washington's Birthday.
APRIL 8–17, inclusive.	Easter Recess.
MAY 5.	Arbor Day.
MAY 11–13.	Junior Week.
MAY 30.	Memorial Day.
JUNE 12–16.	Final Examinations.
JUNE 18.	*Sunday*—Commencement Sunday. 10:45 a.m. Baccalaureate Sermon. 8:00 p.m. Anniversary of the Christian Associations.
JUNE 19.	*Monday*—Class Day. 10:30 a.m. Class Day Exercises. 3:00 p.m. Meeting of the Phi Beta Kappa Society. 8:00 p.m. Parker and Merrill Prize Speaking. 8:00 p.m. Annual Meeting of the Corporation.

JUNE 20. *Tuesday*—Alumni Day.
8:00 p.m. Commencement Concert.

JUNE 21. *Wednesday*—Commencement Day.
9:00 a.m. Meeting of the Alumni in the Chapel.
10:30 a.m. Commencement Exercises.
1:00 p.m. Commencement Dinner.
7:30 to 9. President's Reception.

JULY 5 to AUGUST 11. SUMMER SESSION.

SEPTEMBER 21. *Thursday*, 8:45 a.m.—First Semester Begins.

NOVEMBER 29 (noon) to DECEMBER 4 (noon). Thanksgiving Recess.

DECEMBER 23 to JANUARY 2, 1912, inclusive. Christmas Recess.

INDEX

Admission, 13–27; 96–97
  To Classical Course, 13–16
  To Pedagogical Course, 13–16
  To Scientific Course, 13–16
  To Advanced Standing, 26–27
  To Graduate Study, 96–97
  Definition of Points, 16–26
Aid for Students, 109–112
Alumni, Associated, 112–113
Alumni Associations, 113
Appointments and Awards, 114–115
Appointments, Honorary, 99

Battell Cottage, 107–108
Beneficent Funds, 110–112
Bequest, Form of, 7, 121
Biological Laboratory, 103
Biology, Department of, 40–44
  Botany, 40–42
  Zoology, 42–44

Calendar, 131–132
Charter, The, 3–7
Chemical Laboratory, 103–104
Chemistry, Department of, 44–46
Classical Course, 28
Commons, Hamlin, 108
Corporation, 8
  Committees of, 9

Degrees Conferred, 114–115
Degrees in Course, 28-32; 96–97

Elective Groups, 32–35
English, Department of, 47–51
Examinations, 97–99
Expenses, 108–109

Faculty and Officers, 10–12
Faculty, Committees of, 12
Fees for Admission to Advanced Standing, 27
  For Degree of Master of Arts, 97
  For Laboratory Work, 109
Forestry, Courses in, 40–42
French, Department of, 51–53

Geology, Department of, 53–54
German, Department of, 54–58
Greek, Department of, 58–62

Halls of Residence, 106–108
Herbarium, 104
History of the College, 89–90
History, Department of, 62–67
Honors, Special, 99–100

Instruction, Courses of, 28–39
  Departments of, 40–88

Latin, Department of, 67–72
Law Schools, Arrangement with, 85
Legislative Action, 92, 112, 121
Library, 102–103
Location, 91

Master of Arts, Degree of, 96–97
Mathematics, Department of, 72–75
Museum of Natural History, 104

Offices, College, 104–105

Pedagogy, Department of, 75–79
Pedagogical Course, 29–30
Phi Beta Kappa Society, 99

Philosophy, Department of, 79–82
Physical Laboratory, 103
Political and Social Science, Department of, 85–88
President, The, and Fellows, 8
Progress, Recent, 92–93
Prizes, 100–101

Reading Room, 102–103
Record of Scholarship, 99
Registration, 30
Religious Services, 105–106

Scientific Course, 28–29
Scholarships, 110–112
State, 112
Self-help, 109–110
Sociology, Courses in, 87–88
Students, List of, 116–120; 123–126
Students, Summaries of, 130
Studies, Outline of, 35–39
Summer Session, 93–96
Students at, 127–129

Technology, Schools of, Arrangement with, 29
Tuition, 97; 108–109

Warner Science Hall, 103–104
Women's College, 121–122

Y. M. C. A., 106
Y. W. C. A., 106

630.4 R. P. Willis US Bull 387
A 134.139 Prun of W Pes. W F Sherfesee